

# Pan-Cancer Markers for Proteomic Phenotyping

Explore our Prestige Antibodies® portfolio classified by tumor type

Together with genomics and transcriptomics, proteomics plays a crucial role in understanding the complexity of cancer biology. Prestige Antibodies® provide over 300 pan-cancer antibodies which cover 33 tumor types featured in the Pan-Cancer Atlas.

Prestige Antibodies® Powered by Atlas Antibodies, consist of primary antibodies that address critical areas such as biomarker detection, molecular profiling, and target identification. The antibodies are meticulously designed and validated for comprehensive coverage and enhanced validation, ensuring reliable results in various applications. They are available as both rabbit polyclonals and mouse monoclonals.

These antibodies have been validated on 20 human cancers and multiple cancer cell lines, making them a reliable tool for research projects. IHC characterization data from 44 normal and 20 cancer tissues is available on the Human Protein Atlas portal. The mouse monoclonals are developed against a number of carefully selected targets. Clones are selected to recognize only unique non-overlapping epitopes and isotypes.

The “Pan-Cancer Atlas” is a comprehensive research effort initiated by The Cancer Genome Atlas (TCGA) consortium. It aims to analyze molecular data from thousands of cancer samples across various cancer types employing multi-omic analysis to uncover commonalities and differences in cancer biology. The project classifies cancers into 33 primary tumor and disease types based on their tissue of origin, disease diagnosis, and molecular characteristics. These tumor types are coded according to a standardized classification system developed by the TCGA consortium. See **Table 1** for criteria description.

## References:

1. The Cancer Genome Atlas Network. (2013). The Cancer Genome Atlas Pan-Cancer analysis project. *Nature Genetics*, 45(10), 1113-1120. doi:10.1038/ng.2764
2. Hoadley, K. A., Yau, C., Hinoue, T., Wolf, D. M., Lazar, A. J., Drill, E., ... & Stuart, J. M. (2018). Cell-of-origin patterns dominate the molecular classification of 10,000 tumors from 33 types of cancer. *Cell*, 173(2), 291-304. doi:10.1016/j.cell.2018.03.022

**Prestige Antibodies®**  
Powered by  **ATLAS ANTIBODIES**

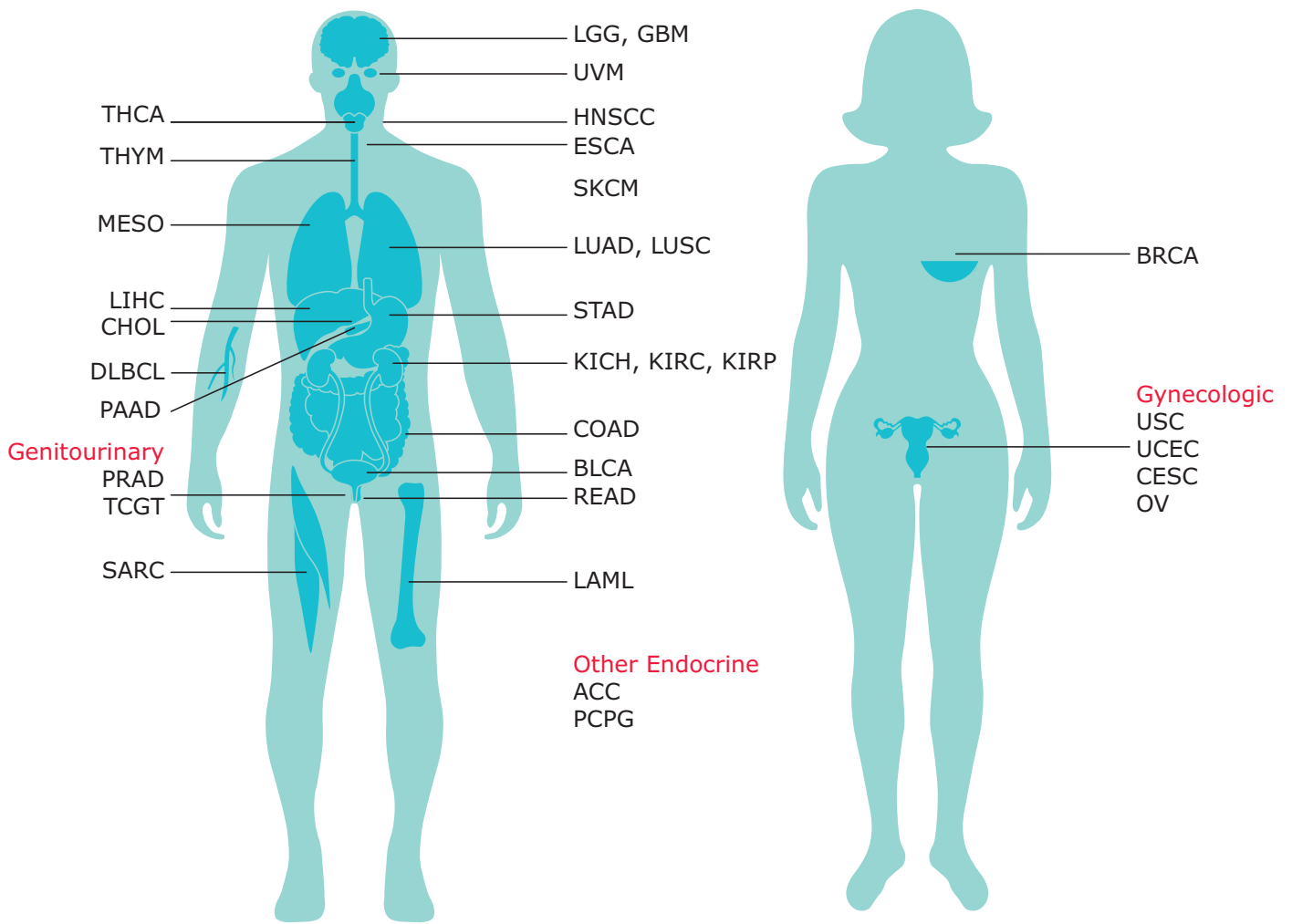


Figure 1. 33 tumor types coded according to the Pan-Cancer Atlas.

**Table 1.**

Number of pan-cancer campaign genes with highest survival and mutational impact categorized into 33 tumor types. Limited by survival and mutational impact: VEP Impact (high/moderate) – SIFT Impact (deleterious) – Polyphen Impact (damaging).

TGTA Tumor Types	TGCA Tumor Codes	Pan-Cancer Genes*
Acute Myeloid Leukemia	LAML	16
Adrenocortical Cancer	ACC	30
Bile Duct Cancer	CHOL	24
Bladder Cancer	BLCA	144
Breast Cancer	BRCA	136
Cervical Cancer	CESC	127
Colon Cancer	COAD	165
Endometrioid Cancer	UCEC	182
Esophageal Cancer	ESCA	73
Glioblastoma	GBM	100
Head and Neck Cancer	HNSC	122
Kidney Chromophobe	KICH	12
Kidney Clear Cell Carcinoma	KIRC	60
Kidney Papillary Cell Carcinoma	KIRP	58
Large B-Cell Lymphoma	DLBC	33
Liver Cancer	LIHC	98
Lower Grade Glioma	LGG	82
Lung Adenocarcinoma	LUAD	155
Lung Squamous Cell Carcinoma	LUSC	154
Melanoma	SKCM	170
Mesothelioma	MESO	9
Ocular Melanomas	UVM	9
Ovarian Cancer	OV	82
Pancreatic Cancer	PAAD	69
Pheochromocytoma and Paraganglioma	PCPG	10
Prostate Cancer	PRAD	70
Rectal Cancer	READ	111
Sarcoma	SARC	64
Stomach Cancer	STAD	158
Testicular Cancer	TGCT	13
Thymoma	THYM	12
Thyroid Cancer	THCA	22
Uterine Carcinosarcoma	UCS	35

\* GDC criteria for each TGCA project (tumor type).

**Table 2.**

Pan-cancer campaign genes categorized by tumor type. Tumor Code (A-Z) represents the unique code assigned to each of the 33 tumor types. Pan-Cancer Campaign Genes (185) implicated in the respective tumor type, providing information on the genetic profile, protein function, and survival for each specific tumor.

Tumor Code	Pan-Cancer Genes
ACC	<b>30 genes:</b> ANXA1, APC, AURKB, AXL, BRAF, CD63, CDH2, CSF1R, CTNNB1, ERBB3, ERCC1, FN1, HDAC6, ICAM1, LRP1, MME, MSH2, MUC16, PARP1, RET, SALL4, SELP, SOX10, SOX11, SOX2, TG, TP53, VIM, VWF, WT1
BLCA	<b>144 genes:</b> ABL1, ADAM17, AFP, AKT1, ALK, APC, AR, AURKA, AURKB, AXL, BID, BMI1, BRAF, CASP8, CASP9, CCNB1, CCND1, CD163, CD28, CD34, CD3E, CD44, CD5, CD55, CD81, CDH1, CDH2, CDK4, CDK5, CDKN1A, CDKN2A, CHEK1, CHEK2, CHGA, COMT, CSF1R, CTGF, CTNNB1, DES, EGFR, ENG, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FCGR3A, FN1, FOXO3, FOXP3, GAPDH, GATA3, HDAC1, HDAC2, HDAC6, HIF1A, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KRT18, KRT19, KRT20, KRT5, KRT8, LCK, LCN2, LRP1, MAP1LC3A, MCAM, MCL1, MET, MKI67, MLANA, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPSA, NCAM1, NFKBIA, NOTCH1, PARP1, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTPN6, PTPRC, RBP4, RET, SALL4, SATB2, SDC1, SELP, SERPINE1, SMAD2, SMAD3, SMAD4, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, THY1, TLR4, TNFRSF8, TOP2A, TP53, TP63, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
BRCA	<b>136 genes:</b> ABL1, ACE, AFP, AKT1, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAD, BAX, BID, BMI1, BRAF, CALB2, CASP8, CCNB1, CD163, CD28, CD34, CD3E, CD40, CD44, CD5, CD68, CD8A, CDH1, CDH2, CDK2, CDK4, CDK5, CHEK1, CHEK2, CTGF, E2F1, EGFR, ENG, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FN1, FOXO1, FOXO3, FOXP3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, ICAM1, IDH1, IKBKB, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT19, KRT20, KRT5, KRT7, LCK, LRP1, MCAM, MET, MKI67, MLH1, MME, MMP9, MSH2, MSH6, MTOR, MUC1, MUC16, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLK1, PON1, PROM1, PTEN, PTPRC, RBP4, RET, S100B, SALL4, SATB2, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TCF7L2, TG, TGM2, TLR4, TNFRSF8, TP53, TP63, TRAF6, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
CESC	<b>127 genes:</b> ABL1, ACE, ADAM17, AKT1, ALDH2, ALK, APC, AR, AURKA, AURKB, AXL, BCL2, BIRC5, BRAF, CASP8, CASP9, CCND1, CD14, CD163, CD34, CD44, CD5, CD55, CD8A, CDH1, CDH2, CDKN1A, CDKN2A, CDX2, CHEK1, CHEK2, CHGA, CSF1R, CTNNB1, E2F1, EGFR, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO3, GJA1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, ICAM1, IKBKB, IL2RA, IL33, ITGA2, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KRT19, KRT20, KRT7, LCK, LRP1, MAP1LC3A, MCL1, MET, MKI67, MLH1, MME, MMP9, MSH2, MTOR, MUC1, MUC16, NAPSA, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PDCD1, PGR, PIK3CA, PLK1, PON1, PRAME, PRNP, PTEN, PTPN6, PTPRC, RBP4, RET, SALL4, SATB2, SELP, SMAD2, SMAD3, SMAD4, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, THY1, TLR4, TNFRSF8, TOP2A, TP53, TP63, VCAM1, VEGFA, VIM, VWF, WT1, ZAP70
CHOL	<b>24 genes:</b> AR, BRAF, CDH2, CDKN2A, CHEK2, ERBB2, EZH2, EZR, FOXP3, HDAC6, ICAM1, IDH1, KRT5, LRP1, MME, MUC16, PAX8, PIK3CA, PLAUR, PROM1, RET, SALL4, TP53, VWF
COAD	<b>165 genes:</b> ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAX, BCL2, BIRC5, BMI1, BRAF, CALB2, CALCA, CASP8, CASP9, CCL2, CCNB1, CD14, CD163, CD28, CD34, CD4, CD40, CD44, CD5, CD55, CD63, CD80, CD8A, CD99, CDH1, CDH2, CDK2, CDK4, CDK5, CDKN1A, CDX2, CHEK1, CHEK2, CHGA, CSF1R, CTGF, CTNNB1, DES, EGFR, ENG, EPAS1, EPCAM, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, HSPA1A, IDH1, IKBKB, IL2RA, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT19, KRT20, KRT5, KRT7, LCK, LRP1, MAP1LC3A, MCAM, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPSA, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PROM1, PTEN, PTH, PTPN6, PTPRC, RBP4, RET, SALL4, SATB2, SDC1, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
DLBC	<b>33 genes:</b> AR, AURKA, AURKB, BCL2, BRAF, CALCA, EGFR, EZH2, FAS, FOXO1, IKBKB, IL2RA, ITGA6, LRP1, MET, MME, MUC1, MUC16, NAPSA, NCAM1, NFKBIA, PAX8, PGR, PIK3CA, PLK1, PTEN, PTPN6, PTPRC, SATB2, STAT3, TLR4, TP53, VWF
ESCA	<b>73 genes:</b> ABL1, ADAM17, AKT1, ALK, APC, AR, AXL, BRAF, CASP8, CD34, CDH2, CDKN2A, CSF1R, CTNNB1, EGFR, ENG, ERBB2, ESR1, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GATA3, GJA1, HIF1A, HSP90B1, IDH1, ITGA2, ITGA2B, ITGA4, ITGA6, ITGB3, KRT19, KRT20, KRT5, LRP1, MET, MKI67, MME, MMP9, MSH2, MSH6, MTOR, MUC16, NCAM1, NOTCH1, PGR, PIK3CA, PLK1, PON1, PRNP, PROM1, PTEN, RBP4, RET, SATB2, SELP, SMAD2, SMAD3, SMAD4, SOX10, SOX11, STAT3, TG, TLR4, TNFRSF8, TP53, VCAM1, VIM, VWF, WT1, YAP1
GBM	<b>100 genes:</b> ABL1, ACE, ADAM17, AFP, ANXA1, APC, AURKB, AXL, BMI1, BRAF, CALB2, CALCA, CCL2, CCNB1, CD163, CD28, CD34, CD4, CD44, CD5, CD55, CD63, CDH1, CDH2, CDKN2A, CHEK1, CHEK2, COMT, CSF1R, CTNNB1, DES, EGFR, EPAS1, ERBB2, ESR1, EZH2, FAS, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GAPDH, GJA1, HDAC1, HDAC2, HDAC6, HSP90B1, IDH1, IKBKB, IL2RA, ITGA2, ITGA4, ITGA6, ITGB2, KIT, KRT18, KRT19, KRT20, KRT7, LCK, LRP1, MET, MKI67, MLH1, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC16, NCAM1, PARP1, PAX8, PCNA, PGR, PIK3CA, PLAUR, PLK1, PON1, PTEN, PTPN6, PTPRC, RET, SALL4, SERPINA1, SERPINE1, SMAD3, SRC, STAT3, TCF7L2, TG, TGM2, TOP2A, TP53, TP63, VWF, WT1, YAP1, ZAP70
HNSC	<b>122 genes:</b> ABL1, ACE, ADAM17, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKB, AXL, BCL2, BID, BMI1, BRAF, CALCA, CASP8, CCL2, CCND1, CD163, CD34, CD40, CD44, CD5, CD80, CD8A, CDH1, CDH2, CDK4, CDK5, CDKN2A, CDX2, CHEK2, COMT, CTGF, CTNNB1, EGFR, EPAS1, EPCAM, ERBB2, ERBB3, ESR1, EZH2, FAS, FCGR3A, FN1, FOXO3, FOXP3, GATA3, GJA1, GPC3, HDAC2, HDAC6, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, ITGA2, ITGA2B, ITGA4, ITGA5, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT20, KRT5, LCK, LRP1, MAP1LC3A, MCL1, MET, MKI67, MLH1, MME, MS4A1, MSH2, MTOR, MUC16, NAPSA, NCAM1, NOTCH1, PARP1, PAX8, PCNA, PGR, PIK3CA, PLK1, PON1, PRAME, PROM1, PTEN, PTH, PTPN6, PTPRC, RBP4, RET, SATB2, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, STAT3, TARDBP, TG, TGM2, THY1, TLR4, TOP2A, TP53, TP63, TRAF6, VCAM1, VIM, VWF, WT1, YAP1
KICH	<b>12 genes:</b> ABL1, CDH2, COMT, CSF1R, CTNNB1, ERBB3, KRT5, MTOR, PTEN, TP53, VCAM1, YAP1
KIRC	<b>60 genes:</b> ABL1, ACE, ADAM17, ALK, ANXA1, APC, AR, AXL, CASP8, CD163, CD34, CD3E, CD44, CD55, CDH2, CDK2, CHEK2, CTNNB1, EGFR, EPAS1, ERCC1, EZH2, FN1, FOXO1, GPC3, HDAC6, HIF1A, HMOX1, IKBKB, IL33, ITGA2, ITGB1, LRP1, MET, MKI67, MLANA, MME, MMP9, MTOR, MUC16, NOTCH1, PARP1, PAX8, PGR, PIK3CA, PTEN, PTPRC, SATB2, SMAD2, SOX2, SRC, STAT3, TCF7L2, TG, TOP2A, TP53, TP63, VIM, VWF, ZAP70

Tumor Code	Pan-Cancer Genes
KIRP	<b>58 genes:</b> ABL1, ACE, AFP, ALDH2, ALK, APC, AURKB, BAX, BRAF, CASP8, CASP9, CD163, CD40, CD80, CD81, CHEK2, CSF1R, CTGF, CTNNB1, ERBB2, EZR, FCER2, FN1, GAPDH, HDAC6, HMOX1, HSP90B1, IKBKB, ITGA4, ITGA6, ITGB2, ITGB3, KLK3, LCK, LRP1, MET, MKI67, MLH1, MSH2, MSH6, MTOR, MUC16, NCAM1, NOTCH1, PAX8, PIK3CA, PLK1, PRNP, PROM1, SATB2, SMAD2, SMAD4, TG, TIMP1, TP53, VIM, VWF, YAP1
LAML	<b>16 genes:</b> ACE, BAX, ERCC1, FOXP3, HDAC2, KIT, KRT20, LCK, LRP1, MSH6, MUC16, NAPSA, STAT3, TGM2, TP53, WT1
LGG	<b>82 genes:</b> ABL1, ACE, AFP, ALK, AR, AURKA, AXL, BRAF, CASP8, CCNB1, CCND1, CD163, CD28, CD40, CD44, CDH1, CDH2, CDKN1A, CDKN2A, CHEK1, CHEK2, CSF1R, CTGF, CTNNB1, EGFR, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FCER2, FN1, GPC3, HDAC2, HDAC6, IDH1, IL33, ITGA2, ITGA4, ITGA5, ITGA6, ITGB3, KIT, KRT20, KRT5, KRT7, KRT8, LRP1, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH6, MTOR, MUC16, NOTCH1, PARP1, PAX8, PGR, PIK3CA, PLK1, PROM1, PTEN, PTPRC, RET, SELP, SMAD2, SMAD3, STAT3, TCF7L2, TG, TIMP1, TOP2A, TP53, TP63, VCAM1, VEGFA, VIM, ZAP70
LIHC	<b>98 genes:</b> ACE, ADAM17, ALK, APC, AR, AURKA, BAX, CALCA, CASP8, CCNB1, CCND1, CD44, CD55, CD80, CDH1, CDH2, CDKN1A, CDKN2A, CHEK2, CTNNB1, DES, E2F1, EGFR, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FCER2, FN1, FOXO1, GATA3, GJA1, HDAC6, HIF1A, HMOX1, HSP90B1, IDH1, IKBKB, ITGA2, ITGA2B, ITGA4, ITGB1, ITGB2, ITGB3, JUN, KIT, KRT18, KRT20, KRT5, KRT7, LCK, LRP1, MAP1LC3A, MCAM, MCL1, MET, MKI67, MLH1, MME, MMP9, MSH6, MTOR, MUC16, NCAM1, NOTCH1, PARP1, PAX8, PGR, PIK3CA, PLK1, PRAME, PROM1, PTEN, PTPN6, PTPRC, RET, SELP, SERPINE1, SMAD3, SMAD4, SRC, STAT3, TCF7L2, TG, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, VCAM1, VIM, VWF, WT1, ZAP70
LUAD	<b>155 genes:</b> ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, APC, AR, AURKB, AXL, BAX, BCL2, BID, BIRC5, BMI1, BRAF, CALB2, CALCA, CASP8, CASP9, CCL2, CCNB1, CCND1, CD163, CD28, CD34, CD4, CD40, CD44, CD5, CD55, CD63, CD81, CD99, CDH1, CDH2, CDK4, CDK5, CDKN2A, CHEK1, CHEK2, CHGA, COMT, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, EPCAM, ERBB2, ERBB3, ESR1, EZH2, FAS, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HMOX1, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL2RA, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT19, KRT20, KRT5, KRT7, KRT8, LCK, LRP1, MCAM, MCL1, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC16, NAPSA, NCAM1, NOTCH1, PARP1, PAX8, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PRAME, PRNP, PTEN, PTH, PTPN6, PTPRC, RET, SALL4, SATB2, SDC1, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX11, SRC, STAT3, TCF7L2, TG, TGM2, THY1, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
LUSC	<b>154 genes:</b> ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, APC, AR, AURKA, AXL, BAX, BIRC5, BMI1, BRAF, CALB2, CALCA, CASP8, CASP9, CCND1, CD163, CD28, CD34, CD4, CD44, CD68, CD81, CD8A, CD99, CDH1, CDH2, CDK4, CDK5, CDKN2A, CDX2, CHEK1, CHEK2, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL2RA, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT20, KRT5, LCK, LCN2, LRP1, MCAM, MCL1, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPSA, NCAM1, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTH, PTPRC, RBP4, RET, S100B, SALL4, SATB2, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, THY1, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VIM, VWF, WT1, YAP1, ZAP70
MESO	<b>9 genes:</b> CSF1R, FN1, HSPA1A, LRP1, MSH6, MUC1, NFKBIA, PIK3CA, TP53
OV	<b>82 genes:</b> ABL1, ADAM17, AFP, ALK, APC, AR, AXL, BRAF, CALB2, CASP8, CD163, CD34, CD80, CDH1, CDH2, CDK2, CDK4, CDKN2A, CHEK2, CHGA, E2F1, EGFR, ENG, ERBB2, ERBB3, ESR1, EZH2, FN1, GATA3, GPC3, HDAC1, HDAC6, HSP90B1, ICAM1, IKBKB, ITGA2, ITGA4, ITGA5, ITGB2, KIT, KLK3, KRT19, KRT5, KRT7, LRP1, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH6, MTOR, MUC16, NCAM1, NOTCH1, PARP1, PAX8, PIK3CA, PLK1, PROM1, PTEN, PTPN6, RET, SALL4, SATB2, SDC1, SELP, SERPINE1, SMAD4, STAT3, TCF7L2, TG, TGM2, TLR4, TOP2A, TP53, TP63, VCAM1, VIM, VWF, YAP1
PAAD	<b>69 genes:</b> ABL1, ADAM17, ALK, ANXA1, APC, AURKA, BAD, BRAF, CD4, CD44, CD5, CD55, CD63, CD80, CDH1, CDH2, CDK4, CDKN2A, CHEK2, CTNNB1, DES, EGFR, ERBB2, ERBB3, EZH2, FN1, FOXO3, HIF1A, HSP90B1, HSPA1A, ICAM1, IKBKB, IL2RA, ITGA6, ITGB3, KIT, KRT7, LRP1, MAP1LC3A, MET, MKI67, MME, MSH6, MTOR, MUC1, MUC16, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PDCD1, PGR, PIK3CA, PTPN6, PTPRC, RET, SALL4, SATB2, SELP, SERPINA1, SMAD4, SOX10, SRC, TG, TOP2A, TP53, VWF, ZAP70
PCPG	<b>10 genes:</b> BRAF, EPAS1, HDAC2, LRP1, MTOR, PGR, RET, SALL4, STAT3, VCAM1
PRAD	<b>70 genes:</b> ABL1, ACE, AKT1, ALK, AR, AURKB, AXL, BIRC5, BRAF, CD163, CD34, CD4, CD40, CD8A, CDH2, CHGA, CSF1R, CTNNB1, E2F1, EGFR, ENG, ERBB2, ERBB3, FN1, FOXO1, FOXO3, GJA1, HDAC1, HDAC2, HDAC6, HMOX1, HSP90B1, IDH1, ITGA2, ITGA2B, ITGA4, ITGB2, KLK3, LCN2, LRP1, MET, MKI67, MLH1, MME, MMP9, MTOR, MUC16, NCAM1, NOTCH1, PARP1, PDCD1, PIK3CA, PON1, PTEN, PTPN6, PTPRC, SALL4, SELP, SMAD2, SMAD4, STAT3, TG, TOP2A, TP53, TP63, TRAF6, VCAM1, VWF, WT1, ZAP70
READ	<b>111 genes:</b> ABL1, ACE, ADAM17, AFP, ALK, ANXA1, APC, AR, AURKA, AXL, BMI1, BRAF, CALB2, CD163, CD34, CD3E, CD40, CD44, CD5, CD8A, CDH1, CDH2, CDK4, CDKN1A, CHEK1, CHEK2, CHGA, CTNNB1, DES, EGFR, ERBB2, ERBB3, ESR1, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HSP90B1, IDH1, IKBKB, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB2, ITGB3, JUN, KIT, KRT20, KRT5, LCK, LRP1, MCAM, MET, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MTOR, MUC1, MUC16, NAPSA, NCAM1, PCNA, PECAM1, PIK3CA, PLAUR, PLK1, PON1, PRNP, PROM1, PTEN, PTPRC, RET, S100B, SALL4, SATB2, SDC1, SELP, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, TCF7L2, TG, TGM2, TIMP1, TLR4, TOP2A, TP53, TP63, VCAM1, VIM, VWF, WT1, YAP1, ZAP70
SARC	<b>64 genes:</b> ABL1, ACE, APC, AURKB, AXL, CCND1, CD163, CD34, CD81, CDK4, CDKN1A, CHEK1, CHEK2, CSF1R, CTGF, EGFR, EZR, FCER2, FCGR3A, FN1, GAPDH, GATA3, HDAC6, ITGA2, ITGA2B, ITGA4, ITGA5, ITGB2, ITGB3, KIT, KLK3, KRT5, KRT8, LRP1, MCAM, MET, MKI67, MLH1, MMP9, MS4A1, MUC1, MUC16, NOTCH1, PIK3CA, PLAUR, PON1, PRAME, PROM1, PTEN, PTPRC, SATB2, SELP, SERPINA1, SMAD3, SMAD4, TCF7L2, TG, TGM2, TP53, TP63, TRAF6, VCAM1, VWF, ZAP70

Tumor Code	Pan-Cancer Genes
SKCM	<b>170 genes:</b> ABL1, ACE, AFP, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAX, BCL2, BIRC5, BMI1, BRAF, CALB2, CALCA, CASP8, CASP9, CD14, CD163, CD3E, CD4, CD40, CD44, CD5, CD55, CD63, CD68, CD80, CD81, CD8A, CD99, CDH1, CDH2, CDK2, CDK4, CDK5, CDKN1A, CDKN2A, CDX2, CHEK1, CHEK2, CHGA, COMT, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, EPCAM, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, IDH1, IKBKB, IL2RA, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT18, KRT19, KRT20, KRT5, KRT7, KRT8, LCK, LCN2, LRP1, MAP1LC3A, MCAM, MCL1, MET, MKI67, MLANA, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPSAs, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTPN6, PTPRC, RBP4, RET, SALL4, SATB2, SDC1, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, THY1, TLR4, TNFRSF8, TOP2A, TP53, TP63, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
STAD	<b>158 genes:</b> ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAD, BAX, BCL2, BMI1, BRAF, CALB2, CASP8, CASP9, CCL2, CCNB1, CCND1, CD14, CD163, CD34, CD3E, CD4, CD44, CD5, CD55, CD80, CD81, CD8A, CD99, CDH1, CDH2, CDK2, CDK4, CDK5, CDKN2A, CHEK1, CHEK2, COMT, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL2RA, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, JUN, KIT, KLK3, KRT18, KRT19, KRT20, KRT5, KRT7, KRT8, LCK, LRP1, MAP1LC3A, MCAM, MCL1, MKI67, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPSAs, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTPN6, PTPRC, RBP4, RET, S100B, SALL4, SATB2, SELP, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VIM, VWF, WT1, YAP1, ZAP70
TGCT	<b>13 genes:</b> EGFR, EPAS1, ERCC1, GATA3, ITGB3, KIT, MSH6, PGR, PIK3CA, STAT3, TP53, TP63, VCAM1
THYM	<b>12 genes:</b> AXL, CD3E, CHEK1, CSF1R, EPAS1, ERBB2, ITGB3, KIT, MTOR, MUC16, SOX10, TP53
THCA	<b>22 genes:</b> AKT1, ALDH2, ALK, BRAF, CD163, CD5, CHEK2, ERBB3, EZR, HIF1A, ITGB1, KIT, MKI67, MSH2, MUC16, PIK3CA, PTEN, RET, SDC1, TG, VCAM1, WT1
UCEC	<b>182 genes:</b> ABL1, ACE, ADAM17, AFP, AKT1, ALDH2, ALK, ANXA1, APC, AR, AURKA, AURKB, AXL, BAD, BAX, BCL2, BID, BMI1, BRAF, CALB2, CASP8, CASP9, CCL2, CCNB1, CCND1, CD14, CD163, CD28, CD34, CD3E, CD4, CD40, CD44, CD5, CD55, CD63, CD68, CD80, CD81, CD8A, CD99, CDH1, CDH2, CDK2, CDK4, CDK5, CDKN1A, CDKN2A, CDX2, CHEK1, CHEK2, CHGA, COMT, CSF1R, CTGF, CTNNB1, DES, E2F1, EGFR, ENG, EPAS1, EPCAM, ERBB2, ERBB3, ERCC1, ESR1, EZH2, EZR, FAS, FCER2, FCGR3A, FN1, FOXO1, FOXO3, FOXP3, GAPDH, GATA3, GJA1, GPC3, HDAC1, HDAC2, HDAC6, HIF1A, HMOX1, HSP90B1, HSPA1A, ICAM1, IDH1, IKBKB, IL2RA, IL33, ITGA2, ITGA2B, ITGA4, ITGA5, ITGA6, ITGB1, ITGB2, ITGB3, JUN, KIT, KLK3, KRT18, KRT19, KRT20, KRT5, KRT7, KRT8, LCK, LCN2, LRP1, MAP1LC3A, MCAM, MCL1, MET, MKI67, MLANA, MLH1, MME, MMP9, MS4A1, MSH2, MSH6, MTOR, MUC1, MUC16, NAPSAs, NCAM1, NFKBIA, NOTCH1, PARP1, PAX8, PCNA, PDCD1, PGR, PIK3CA, PLAUR, PLK1, PON1, PRAME, PRNP, PROM1, PTEN, PTH, PTPN6, PTPRC, RBP4, RET, S100B, SALL4, SATB2, SDC1, SELP, SERPINA1, SERPINE1, SMAD2, SMAD3, SMAD4, SOX10, SOX11, SOX2, SRC, STAT3, TARDBP, TCF7L2, TG, TGM2, THY1, TIMP1, TLR4, TNFRSF8, TOP2A, TP53, TP63, TRAF6, VCAM1, VEGFA, VIM, VWF, WT1, YAP1, ZAP70
UCS	<b>35 genes:</b> ABL1, APC, CCND1, CD3E, CD55, CDH2, CHEK2, E2F1, EPAS1, ERBB2, ERBB3, GJA1, GPC3, HDAC6, HSP90B1, ITGB1, KIT, KRT18, LRP1, MKI67, MMP9, MSH6, MUC16, NOTCH1, PDCD1, PGR, PIK3CA, PLK1, PRNP, PTEN, SATB2, STAT3, TG, TP53, VWF
UVM	<b>9 genes:</b> ALDH2, APC, CD4, ESR1, MTOR, MUC16, NCAM1, TNFRSF8, YAP1

**Table 3.**

309 primary antibodies classified by pan-cancer tumor type. Note, products that have product numbers labeled with AMAB are monoclonals, while those labeled with HPA are polyclonals. Limited by greatest survival and mutational impact.

Antibody	Product No.	Pan-Cancer Tumor Types (Number and Codes)
Anti-ABL1	HPA028409	<b>22 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, KIRP, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, UCS
Anti-ACE	HPA029298	<b>17 cancers:</b> LAML, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, PRAD, READ, SARC, STAD
Anti-ADAM17	HPA010738, HPA051575	<b>15 cancers:</b> BLCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, LIHC, LUAD, LUSC, OV, PAAD, READ, STAD
Anti-AFP	AMAB91610, AMAB91611, HPA010607, HPA023600	<b>13 cancers:</b> BLCA, BRCA, COAD, UCEC, GBM, KIRP, LGG, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-AKT1	AMAB90834, AMAB90835	<b>13 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, LUAD, LUSC, SKCM, PRAD, STAD, THCA
Anti-ALDH2	HPA051065	<b>11 cancers:</b> CESC, COAD, UCEC, HNSC, KIRP, LUAD, LUSC, SKCM, UVM, STAD, THCA
Anti-ALK	HPA010694	<b>19 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, THCA
Anti-ANXA1	AMAB90558, HPA011272	<b>11 cancers:</b> ACC, BRCA, COAD, UCEC, GBM, HNSC, KIRC, SKCM, PAAD, READ, STAD
Anti-APC	HPA013349	<b>22 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, LIHC, LUAD, LUSC, SKCM, UVM, OV, PAAD, READ, SARC, STAD, UCS
Anti-AR	AMAB91547	<b>19 cancers:</b> CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, STAD



Antibody	Product No.	Pan-Cancer Tumor Types (Number and Codes)
Anti-AURKA	HPA002636	<b>13 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, DLBC, LIHC, LGG, LUSC, SKCM, PAAD, READ, STAD
Anti-AURKB	HPA037708	<b>14 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRP, DLBC, LUAD, SKCM, PRAD, SARC, STAD
Anti-AXL	HPA037422	<b>19 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, THYM
Anti-BAD	HPA028185	<b>4 cancers:</b> BRCA, UCEC, PAAD, STAD
Anti-BAX	AMAB91490, HPA027878	<b>10 cancers:</b> LAML, BRCA, COAD, UCEC, KIRP, LIHC, LUAD, LUSC, SKCM, STAD
Anti-BCL2	AMAB91492, HPA055295	<b>8 cancers:</b> CESC, COAD, UCEC, HNSC, DLBC, LUAD, SKCM, STAD
Anti-BID	HPA000722	<b>5 cancers:</b> BLCA, BRCA, UCEC, HNSC, LUAD
Anti-BIRC5	AMAB91761	<b>6 cancers:</b> CESC, COAD, LUAD, LUSC, SKCM, PRAD
Anti-BMI1	HPA030471	<b>10 cancers:</b> BLCA, BRCA, COAD, UCEC, GBM, HNSC, LUAD, LUSC, SKCM, READ, STAD
Anti-BRAF	AMAB91257, AMAB91258, HPA071048	<b>22 cancers:</b> ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, DLBC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PCPG, PRAD, READ, STAD, THCA
Anti-CALB2	AMAB91812, AMAB91813, AMAB91814	<b>10 cancers:</b> BRCA, COAD, UCEC, GBM, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-CALCA	HPA064453	<b>8 cancers:</b> COAD, GBM, HNSC, DLBC, LIHC, LUAD, LUSC, SKCM
Anti-CASP8	HPA005688	<b>15 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, STAD
Anti-CASP9	HPA046488	<b>9 cancers:</b> BLCA, CESC, COAD, UCEC, KIRP, LUAD, LUSC, SKCM, STAD
Anti-CCL2	HPA019163	<b>6 cancers:</b> COAD, UCEC, GBM, HNSC, LUAD, STAD
Anti-CCNB1	HPA030741	<b>9 cancers:</b> BLCA, BRCA, COAD, UCEC, GBM, LIHC, LGG, LUAD, STAD
Anti-CCND1	AMAB91779, AMAB91780, HPA027802	<b>11 cancers:</b> BLCA, CESC, UCEC, HNSC, LIHC, LGG, LUAD, LUSC, SARC, STAD, UCS
Anti-CD14	AMAB90898, HPA002127	<b>5 cancers:</b> CESC, COAD, UCEC, SKCM, STAD
Anti-CD163	HPA046404, HPA051974	<b>19 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, THCA
Anti-CD28	HPA070003	<b>8 cancers:</b> BLCA, BRCA, COAD, UCEC, GBM, LGG, LUAD, LUSC
Anti-CD34	HPA036722, HPA036723	<b>16 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, LUAD, LUSC, OV, PRAD, READ, SARC, STAD
Anti-CD3E	AMAB90876, HPA040957, HPA043955	<b>9 cancers:</b> BLCA, BRCA, UCEC, KIRC, SKCM, READ, STAD, THYM, UCS
Anti-CD4	AMAB90754	<b>10 cancers:</b> COAD, UCEC, GBM, LUAD, LUSC, SKCM, UVM, PAAD, PRAD, STAD
Anti-CD40	HPA031567	<b>10 cancers:</b> BRCA, COAD, UCEC, HNSC, KIRP, LGG, LUAD, SKCM, PRAD, READ
Anti-CD44	AMAB91845, AMAB91846, AMAB91847, AMAB91848	<b>16 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, READ, STAD
Anti-CD5	AMAB91782, AMAB91783, HPA043416, HPA060839	<b>14 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, LUAD, LUSC, SKCM, PAAD, READ, STAD, THCA
Anti-CD55	HPA002190	<b>12 cancers:</b> BLCA, CESC, COAD, UCEC, GBM, KIRC, LIHC, LUAD, SKCM, PAAD, STAD, UCS
Anti-CD63	HPA010088	<b>7 cancers:</b> ACC, COAD, UCEC, GBM, LUAD, SKCM, PAAD
Anti-CD68	AMAB90873, AMAB90874	<b>4 cancers:</b> BRCA, UCEC, LUSC, SKCM
Anti-CD80	HPA050092	<b>9 cancers:</b> COAD, UCEC, HNSC, KIRP, LIHC, SKCM, OV, PAAD, STAD
Anti-CD81	HPA007234	<b>8 cancers:</b> BLCA, UCEC, KIRP, LUAD, LUSC, SKCM, SARC, STAD
Anti-CD8A	AMAB90883, HPA037756	<b>10 cancers:</b> BRCA, CESC, COAD, UCEC, HNSC, LUSC, SKCM, PRAD, READ, STAD
Anti-CD99	AMAB91823	<b>6 cancers:</b> COAD, UCEC, LUAD, LUSC, SKCM, STAD
Anti-CDH1	AMAB90862, AMAB90863, AMAB90865	<b>16 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, READ, STAD
Anti-CDH2	AMAB91220, AMAB91497	<b>22 cancers:</b> ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, UCS
Anti-CDK4	AMAB91499	<b>13 cancers:</b> BLCA, BRCA, COAD, UCEC, HNSC, LUAD, LUSC, SKCM, OV, PAAD, READ, SARC, STAD
Anti-CDK5	HPA064535	<b>9 cancers:</b> BLCA, BRCA, COAD, UCEC, HNSC, LUAD, LUSC, SKCM, STAD
Anti-CDKN1A	AMAB91832	<b>9 cancers:</b> BLCA, CESC, COAD, UCEC, LIHC, LGG, SKCM, READ, SARC
Anti-CDKN2A	HPA047838	<b>15 cancers:</b> CHOL, BLCA, CESC, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, STAD

Antibody	Product No.	Pan-Cancer Tumor Types (Number and Codes)
Anti-CDX2	AMAB91827, AMAB91828, HPA045669, HPA049580	<b>6 cancers:</b> CESC, COAD, UCEC, HNSC, LUSC, SKCM
Anti-CHEK1	HPA044364	<b>13 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, LGG, LUAD, LUSC, SKCM, READ, SARC, STAD, THYM
Anti-CHEK2	AMAB91570, HPA001878	<b>21 cancers:</b> CHOL, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, READ, SARC, STAD, THCA, UCS
Anti-CHGA	AMAB90525	<b>9 cancers:</b> BLCA, CESC, COAD, UCEC, LUAD, SKCM, OV, PRAD, READ
Anti-COMT	HPA001169	<b>8 cancers:</b> BLCA, UCEC, GBM, HNSC, KICH, LUAD, SKCM, STAD
Anti-CSF1R	AMAB91718	<b>17 cancers:</b> ACC, BLCA, CESC, COAD, UCEC, ESCA, GBM, KICH, KIRP, LGG, LUAD, LUSC, SKCM, MESO, PRAD, SARC, STAD, THYM
Anti-CTGF	AMAB91366	<b>12 cancers:</b> BLCA, BRCA, COAD, UCEC, HNSC, KIRP, LGG, LUAD, LUSC, SKCM, SARC, STAD
Anti-CTNNB1	AMAB91209, AMAB91210, HPA029160	<b>20 cancers:</b> ACC, BLCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, PRAD, READ, STAD
Anti-DES	AMAB91302	<b>11 cancers:</b> BLCA, COAD, UCEC, GBM, LIHC, LUAD, LUSC, SKCM, PAAD, READ, STAD
Anti-E2F1	HPA029735	<b>10 cancers:</b> BRCA, CESC, UCEC, LIHC, LUAD, LUSC, SKCM, OV, PRAD, STAD, UCS
Anti-EGFR	AMAB90816, AMAB90819, HPA001200	<b>22 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, TGCT
Anti-ENG	AMAB90925, HPA011862	<b>10 cancers:</b> BLCA, BRCA, COAD, UCEC, ESCA, LUAD, LUSC, SKCM, OV, PRAD, STAD
Anti-EPAS1	HPA031200	<b>17 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, PCPG, STAD, TGCT, THYM, UCS
Anti-EPCAM	AMAB91411, AMAB91413	<b>6 cancers:</b> COAD, UCEC, HNSC, LGG, LUAD, SKCM
Anti-ERBB2/HER2	AMAB90627, HPA001338, HPA001383	<b>21 cancers:</b> CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, THYM, UCS
Anti-ERBB3	HPA045396	<b>20 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, HNSC, KICH, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, THCA, UCS
Anti-ERCC1	AMAB90871, AMAB90872	<b>13 cancers:</b> LAML, ACC, BLCA, BRCA, CESC, COAD, UCEC, KIRC, LIHC, LUSC, SKCM, STAD, TGCT
Anti-ESR1	AMAB90867, HPA000449	<b>16 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, UVM, OV, READ, STAD
Anti-EZH2	AMAB91749, AMAB91750, AMAB91752	<b>18 cancers:</b> CHOL, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, STAD
Anti-EZR	AMAB90975, AMAB90976, AMAB90977, AMAB90979	<b>13 cancers:</b> CHOL, BLCA, BRCA, CESC, COAD, UCEC, KIRP, LIHC, LUSC, SKCM, SARC, STAD, THCA
Anti-FAS	HPA027444	<b>11 cancers:</b> CESC, COAD, UCEC, GBM, HNSC, DLBC, LUAD, LUSC, SKCM, READ, STAD
Anti-FCER2	AMAB91784	<b>9 cancers:</b> CESC, COAD, UCEC, KIRP, LIHC, LUSC, SKCM, READ, SARC
Anti-FCGR3A	HPA055431	<b>13 cancers:</b> BLCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LUAD, LUSC, SKCM, READ, SARC, STAD
Anti-FN1	AMAB91223, HPA027066	<b>24 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, PRAD, READ, SARC, STAD
Anti-FOXO1	AMAB91844	<b>14 cancers:</b> BRCA, COAD, UCEC, ESCA, GBM, KIRC, DLBC, LIHC, LUAD, LUSC, SKCM, PRAD, READ, STAD
Anti-FOXO3	AMAB91872, AMAB91874, HPA063104	<b>15 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LUAD, LUSC, SKCM, PAAD, PRAD, READ, STAD
Anti-FOXP3	HPA045943	<b>12 cancers:</b> LAML, CHOL, BLCA, BRCA, COAD, UCEC, ESCA, GBM, HNSC, LUAD, SKCM, READ, STAD
Anti-GAPDH	HPA040067, HPA061280	<b>9 cancers:</b> BLCA, BRCA, COAD, UCEC, GBM, KIRP, LUSC, SKCM, SARC
Anti-GATA3	AMAB91525	<b>16 cancers:</b> BLCA, BRCA, COAD, UCEC, ESCA, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD, TGCT
Anti-GJA1	HPA035097	<b>16 cancers:</b> BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, PRAD, READ, STAD, UCS
Anti-GPC3	AMAB91803	<b>13 cancers:</b> BRCA, COAD, UCEC, HNSC, KIRC, LGG, LUAD, LUSC, SKCM, OV, READ, STAD, UCS
Anti-HDAC1	AMAB90781, HPA029693	<b>12 cancers:</b> BLCA, BRCA, COAD, UCEC, GBM, LUAD, LUSC, SKCM, OV, PRAD, READ, STAD
Anti-HDAC2	HPA011727	<b>16 cancers:</b> LAML, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, LGG, LUAD, LUSC, SKCM, PCPG, PRAD, READ, STAD
Anti-HDAC6	HPA026321	<b>22 cancers:</b> ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, UCS



Antibody	Product No.	Pan-Cancer Tumor Types (Number and Codes)
Anti-HIF1A	HPA000907	<b>14 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, KIRC, LIHC, LUSC, SKCM, PAAD, READ, STAD, THCA
Anti-HMOX1	AMAB91719, AMAB91721	<b>12 cancers:</b> BRCA, CESC, COAD, UCEC, KIRC, KIRP, LIHC, LUAD, LUSC, SKCM, PRAD, STAD
Anti-HSP90B1	AMAB91019	<b>19 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD, UCS
Anti-HSPA1A	HPA052504	<b>9 cancers:</b> BLCA, COAD, UCEC, HNSC, LUAD, LUSC, MESO, PAAD, STAD
Anti-ICAM1	HPA004877	<b>12 cancers:</b> ACC, CHOL, BLCA, BRCA, CESC, UCEC, HNSC, LUAD, LUSC, OV, PAAD, STAD
Anti-IDH1	AMAB90578, HPA057936	<b>16 cancers:</b> CHOL, BLCA, BRCA, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, PRAD, READ, STAD
Anti-IKKBK	HPA001249	<b>18 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LUAD, LUSC, SKCM, OV, PAAD, READ, STAD
Anti-IL2RA	HPA054622	<b>9 cancers:</b> CESC, COAD, UCEC, GBM, DLBC, LUAD, LUSC, SKCM, PAAD, STAD
Anti-IL33	AMAB91858	<b>8 cancers:</b> BLCA, BRCA, CESC, UCEC, KIRC, LGG, LUAD, SKCM
Anti-ITGA2	AMAB91469, HPA060991, HPA063556	<b>18 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, SARC, STAD
Anti-ITGA2B	HPA031169, HPA031170, HPA031171	<b>14 cancers:</b> BLCA, BRCA, COAD, UCEC, ESCA, HNSC, LIHC, LUAD, LUSC, SKCM, PRAD, READ, SARC, STAD
Anti-ITGA5	AMAB91447, AMAB91448, AMAB91449	<b>14 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, HNSC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-ITGA6	AMAB91450, HPA027582	<b>16 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, KIRP, DLBC, LGG, LUAD, LUSC, SKCM, PAAD, READ, STAD
Anti-ITGB1	HPA069003	<b>14 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, HNSC, KIRC, LIHC, LUAD, LUSC, SKCM, STAD, THCA, UCS
Anti-ITGB2	HPA008877, HPA016894	<b>17 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD
Anti-ITGB3	HPA027852	<b>17 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, READ, SARC, TGCT, THYM
Anti-JUN	AMAB91587, HPA059474	<b>12 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, HNSC, LIHC, LUAD, LUSC, SKCM, READ, STAD
Anti-KIT	AMAB90900, AMAB90901, AMAB90904, HPA004471, HPA073252	<b>23 cancers:</b> LAML, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, READ, SARC, STAD, TGCT, THYM, THCA, UCS
Anti-KLK3	AMAB91567, AMAB91569	<b>12 cancers:</b> BRCA, COAD, UCEC, HNSC, KIRP, LUAD, LUSC, SKCM, OV, PRAD, SARC, STAD
Anti-KRT18	HPA001605	<b>7 cancers:</b> BLCA, UCEC, GBM, LIHC, SKCM, STAD, UCS
Anti-KRT19	HPA002465	<b>15 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, LUAD, SKCM, OV, STAD
Anti-KRT20	AMAB91564	<b>16 cancers:</b> LAML, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, READ, STAD
Anti-KRT5	AMAB91549	<b>17 cancers:</b> CHOL, BLCA, BRCA, COAD, UCEC, ESCA, HNSC, KICH, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-KRT7	AMAB91531	<b>17 cancers:</b> CHOL, BLCA, BRCA, COAD, UCEC, ESCA, HNSC, KICH, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-KRT8	HPA049866	<b>7 cancers:</b> BLCA, UCEC, LGG, LUAD, SKCM, SARC, STAD
Anti-LCK	HPA003494	<b>15 cancers:</b> LAML, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, READ, STAD
Anti-LCN2	HPA002695	<b>5 cancers:</b> BLCA, UCEC, LUSC, SKCM, PRAD
Anti-LRP1	HPA004182, HPA022903	<b>27 cancers:</b> LAML, ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, PCPG, PRAD, READ, SARC, STAD, UCS
Anti-MAP1LC3A	HPA052474	<b>9 cancers:</b> BLCA, CESC, COAD, UCEC, HNSC, LIHC, SKCM, PAAD, STAD
Anti-MCAM	AMAB91815, HPA008848	<b>11 cancers:</b> BLCA, BRCA, COAD, UCEC, LIHC, LUAD, LUSC, SKCM, READ, SARC, STAD
Anti-MCL1	AMAB90859	<b>9 cancers:</b> BLCA, CESC, UCEC, HNSC, LIHC, LUAD, LUSC, SKCM, STAD
Anti-MET	HPA055607	<b>22 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC
Anti-MKI67	AMAB90870	<b>23 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, THCA, UCS
Anti-MLANA	AMAB91816, AMAB91817, AMAB91818	<b>4 cancers:</b> BLCA, UCEC, KIRC, SKCM
Anti-MLH1	HPA052707, HPA060714	<b>18 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD

Antibody	Product No.	Pan-Cancer Tumor Types (Number and Codes)
Anti-MME	AMAB91788, HPA052583, HPA056072	<b>22 cancers:</b> ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD
Anti-MMP9	AMAB90804, AMAB90805, AMAB90806, HPA001238, HPA063909	<b>19 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, UCS
Anti-MS4A1	HPA014341, HPA014391	<b>13 cancers:</b> BLCA, COAD, UCEC, GBM, HNSC, LGG, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-MSH2	AMAB91891, AMAB91892, AMAB91894	<b>16 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, LUAD, LUSC, SKCM, READ, STAD, THCA
Anti-MSH6	AMAB91903	<b>18 cancers:</b> LAML, BLCA, BRCA, COAD, UCEC, ESCA, GBM, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, STAD, TGCT, UCS
Anti-MTOR	AMAB91508	<b>24 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, UVM, OV, PAAD, PCPG, PRAD, READ, STAD, THYM
Anti-MUC1	AMAB91533, HPA004179, HPA007235, HPA008855	<b>11 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, DLBC, LUSC, SKCM, MESO, PAAD, READ, SARC
Anti-MUC16	AMAB91056, AMAB91057	<b>27 cancers:</b> LAML, ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, UVM, OV, PAAD, PRAD, READ, SARC, STAD, THYM, THCA, UCS
Anti-NAPSA	AMAB91825	<b>12 cancers:</b> LAML, BLCA, CESC, COAD, UCEC, HNSC, DLBC, LUAD, LUSC, SKCM, READ, STAD
Anti-NCAM1	AMAB91807	<b>19 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, DLBC, LIHC, LUAD, LUSC, SKCM, UVM, OV, PAAD, PRAD, READ, STAD
Anti-NFKBIA	HPA029207	<b>10 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, DLBC, LUAD, SKCM, MESO, PAAD
Anti-NOTCH1	HPA067168	<b>21 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, SARC, STAD, UCS
Anti-PARP1	AMAB90959, AMAB90960	<b>17 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, STAD
Anti-PAX8	AMAB91488	<b>17 cancers:</b> CHOL, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, STAD
Anti-PCNA	HPA030522	<b>9 cancers:</b> BLCA, BRCA, COAD, UCEC, GBM, HNSC, LUSC, SKCM, READ, STAD
Anti-PDCD1	AMAB91197	<b>11 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, LUAD, LUSC, SKCM, PAAD, PRAD, UCS
Anti-PGR	AMAB91529, HPA004751, HPA008428	<b>18 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, PCPG, STAD, TGCT, UCS
Anti-PIK3CA	AMAB91513, AMAB91514	<b>25 cancers:</b> CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, PRAD, READ, SARC, STAD, TGCT, THCA, UCS
Anti-PLAUR	HPA050843	<b>11 cancers:</b> CHOL, BLCA, COAD, UCEC, GBM, LUAD, LUSC, SKCM, READ, SARC, STAD
Anti-PLK1	AMAB91515, HPA051638	<b>19 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, STAD, UCS
Anti-PON1	HPA001610	<b>14 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LUSC, SKCM, PRAD, READ, SARC, STAD
Anti-PRAME	AMAB91329, AMAB91330	<b>11 cancers:</b> BLCA, CESC, COAD, UCEC, HNSC, LIHC, LUAD, LUSC, SKCM, SARC, STAD
Anti-PRNP	HPA042754	<b>11 cancers:</b> BLCA, CESC, UCEC, ESCA, KIRP, LUAD, LUSC, SKCM, READ, STAD, UCS
Anti-PROM1	AMAB91494, HPA031053	<b>16 cancers:</b> CHOL, BLCA, BRCA, COAD, UCEC, ESCA, HNSC, KIRP, LIHC, LGG, LUSC, SKCM, OV, READ, SARC, STAD
Anti-PTEN	AMAB91735, AMAB91736, HPA031335	<b>24 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KICH, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, THCA, UCS
Anti-PTH	HPA048540	<b>5 cancers:</b> COAD, UCEC, HNSC, LUAD, LUSC
Anti-PTPN6	HPA001466	<b>14 cancers:</b> BLCA, CESC, COAD, UCEC, GBM, HNSC, DLBC, LIHC, LUAD, SKCM, OV, PAAD, PRAD, STAD
Anti-PTPRC	AMAB90518, AMAB90519, HPA000440	<b>19 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, PRAD, READ, SARC, STAD
Anti-RBP4	HPA001641	<b>10 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, LUSC, SKCM, STAD
Anti-RET	HPA008356	<b>21 cancers:</b> ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PCPG, READ, STAD, THCA
Anti-S100B	AMAB91038	<b>5 cancers:</b> BRCA, UCEC, LUSC, READ, STAD
Anti-SALL4	AMAB91768, AMAB91769, AMAB91770	<b>16 cancers:</b> ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, GBM, LUAD, LUSC, SKCM, OV, PAAD, PCPG, PRAD, READ, STAD
Anti-SATB2	AMAB90635, AMAB90678, AMAB90680	<b>19 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, DLBC, LUAD, LUSC, SKCM, OV, PAAD, READ, SARC, STAD, UCS

Antibody	Product No.	Pan-Cancer Tumor Types (Number and Codes)
Anti-SDC1	HPA006185, HPA067477	<b>8 cancers:</b> BLCA, COAD, UCEC, LUAD, SKCM, OV, READ, THCA
Anti-SELP	HPA002655, HPA005990	<b>18 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD
Anti-SERPINA1	HPA000927	<b>10 cancers:</b> BRCA, COAD, UCEC, GBM, HNSC, LUAD, LUSC, SKCM, PAAD, SARC
Anti-SERPINE1	HPA050039	<b>13 cancers:</b> BLCA, BRCA, COAD, UCEC, GBM, HNSC, LIHC, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-SMAD2	AMAB91520	<b>16 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LGG, LUAD, LUSC, SKCM, PRAD, READ, STAD
Anti-SMAD3	HPA046386, HPA067203	<b>16 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LGG, LUAD, LUSC, SKCM, READ, SARC, STAD
Anti-SMAD4	AMAB91594, HPA019154	<b>18 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRP, LIHC, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD
Anti-SOX10	AMAB91297	<b>10 cancers:</b> ACC, BRCA, COAD, UCEC, ESCA, LUSC, SKCM, PAAD, READ, STAD, THYM
Anti-SOX11	AMAB90501, AMAB90502	<b>10 cancers:</b> ACC, BRCA, CESC, COAD, UCEC, ESCA, LUAD, LUSC, SKCM, READ, STAD
Anti-SOX2	HPA045725	<b>10 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, KIRC, LUSC, SKCM, STAD
Anti-SRC	HPA030875	<b>13 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, KIRC, LIHC, LUAD, LUSC, SKCM, PAAD, STAD
Anti-STAT3	AMAB90776, AMAB90777	<b>21 cancers:</b> LAML, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PCPG, PRAD, STAD, TGCT, UCS
Anti-TARDBP	HPA017284	<b>8 cancers:</b> BLCA, CESC, COAD, UCEC, HNSC, LUSC, SKCM, STAD
Anti-TG	AMAB90523	<b>23 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, THCA, UCS
Anti-TGM2	HPA021019, HPA029518	<b>14 cancers:</b> LAML, BRCA, CESC, COAD, UCEC, GBM, HNSC, LUAD, LUSC, SKCM, OV, READ, SARC, STAD
Anti-THY1	AMAB90844, AMAB90846	<b>6 cancers:</b> BLCA, CESC, UCEC, HNSC, LUAD, LUSC, SKCM
Anti-TIMP1	HPA053417	<b>9 cancers:</b> COAD, UCEC, KIRP, LIHC, LGG, LUAD, LUSC, READ, STAD
Anti-TLR4	HPA049174	<b>15 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, DLBC, LIHC, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-TNFRSF8	AMAB91800	<b>11 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, LIHC, LUAD, LUSC, SKCM, UVM, STAD
Anti-TOP2A	HPA006458	<b>17 cancers:</b> BLCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, STAD
Anti-TP53	AMAB90956, HPA051244, HPA063532	<b>29 cancers:</b> LAML, ACC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LGG, LUAD, LUSC, SKCM, MESO, OV, PAAD, PRAD, READ, SARC, STAD, TGCT, THYM, UCS
Anti-TP63	AMAB91224	<b>18 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PRAD, READ, SARC, STAD, TGCT
Anti-TRAF6	HPA019805, HPA020599	<b>9 cancers:</b> BRCA, COAD, UCEC, HNSC, LUAD, LUSC, PRAD, SARC, STAD
Anti-VCAM1	HPA069867	<b>21 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, OV, PCPG, PRAD, READ, SARC, STAD, TGCT, THCA
Anti-VEGFA	HPA069116	<b>7 cancers:</b> BLCA, CESC, COAD, UCEC, LGG, LUAD, SKCM
Anti-VIM	AMAB90516	<b>19 cancers:</b> ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, HNSC, KIRC, KIRP, LIHC, LGG, LUAD, LUSC, SKCM, OV, READ, STAD
Anti-VWF	AMAB90928, AMAB90931, HPA001815, HPA002082	<b>24 cancers:</b> CC, CHOL, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, DLBC, LIHC, LUAD, LUSC, SKCM, OV, PAAD, PRAD, READ, SARC, STAD, UCS
Anti-WT1	AMAB91839, AMAB91840, AMAB91842, HPA053848	<b>17 cancers:</b> LAML, ACC, BLCA, BRCA, CESC, COAD, UCEC, ESCA, GBM, HNSC, LIHC, LUAD, LUSC, SKCM, PRAD, READ, STAD, THCA
Anti-YAP1	AMAB91878	<b>15 cancers:</b> BLCA, BRCA, COAD, UCEC, ESCA, GBM, HNSC, KIRC, KIRP, LUAD, LUSC, SKCM, UVM, OV, READ, STAD
Anti-ZAP70	HPA003134	<b>17 cancers:</b> BLCA, BRCA, CESC, COAD, UCEC, GBM, KIRC, LIHC, LGG, LUAD, LUSC, SKCM, PAAD, PRAD, READ, SARC, STAD

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