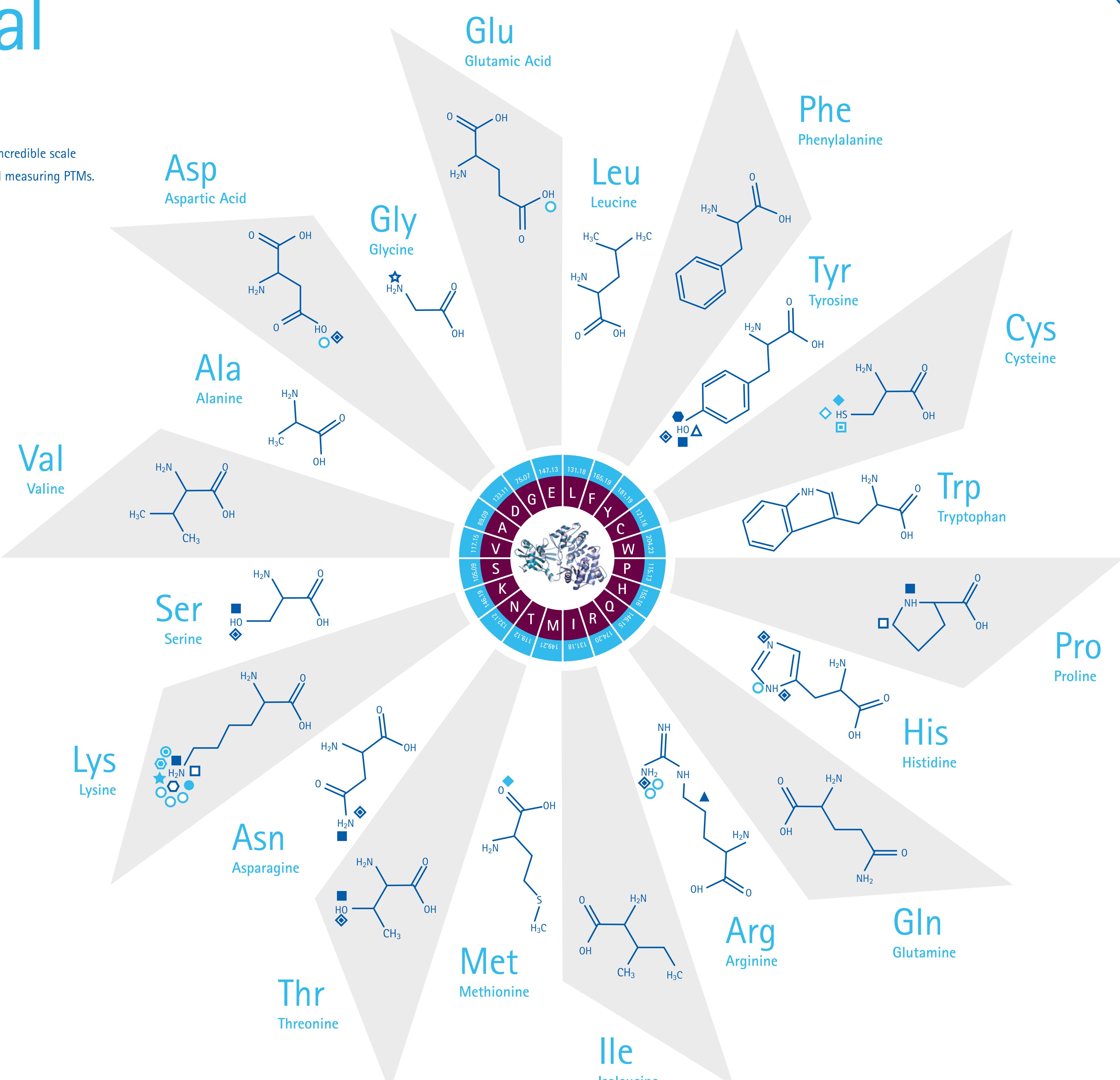
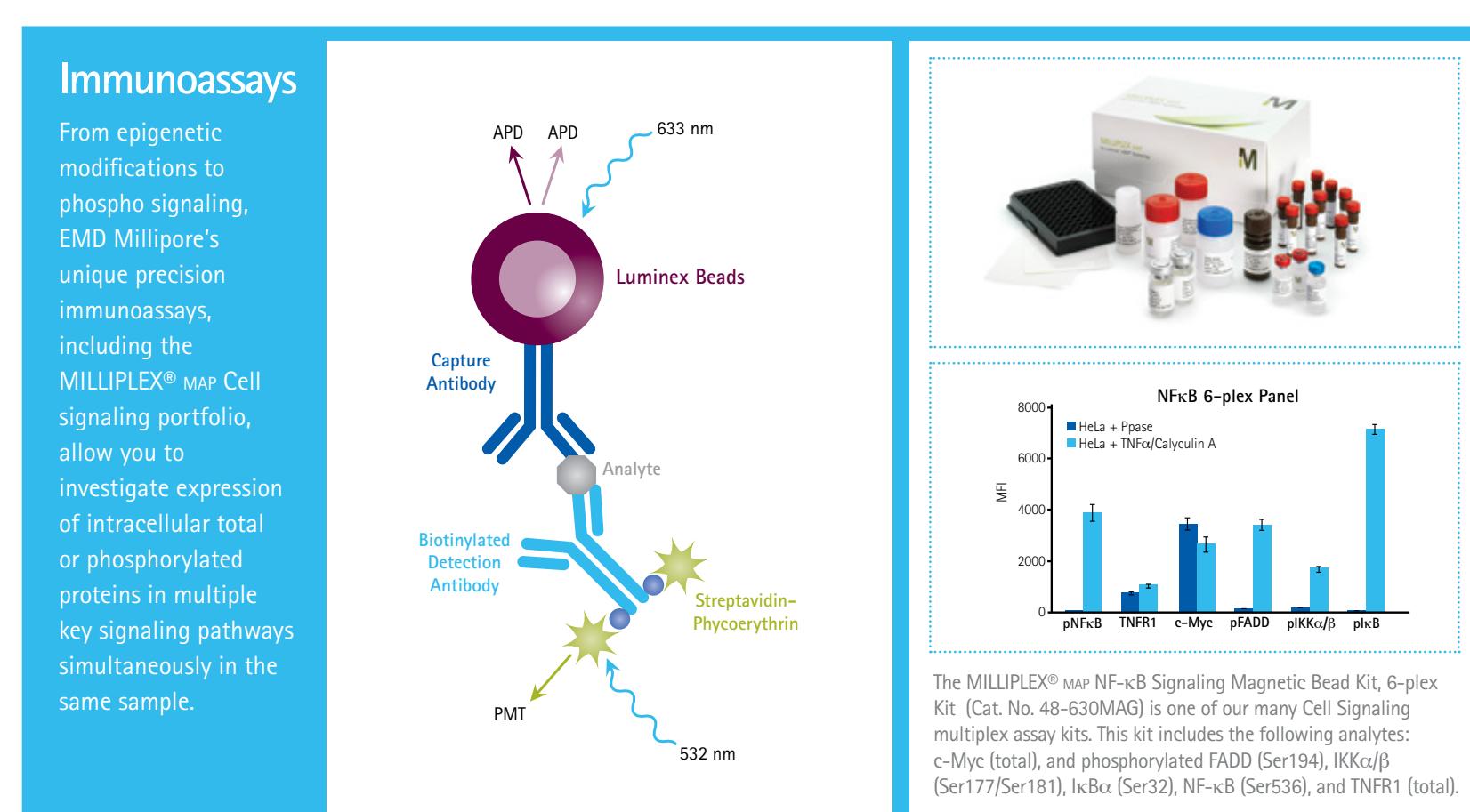
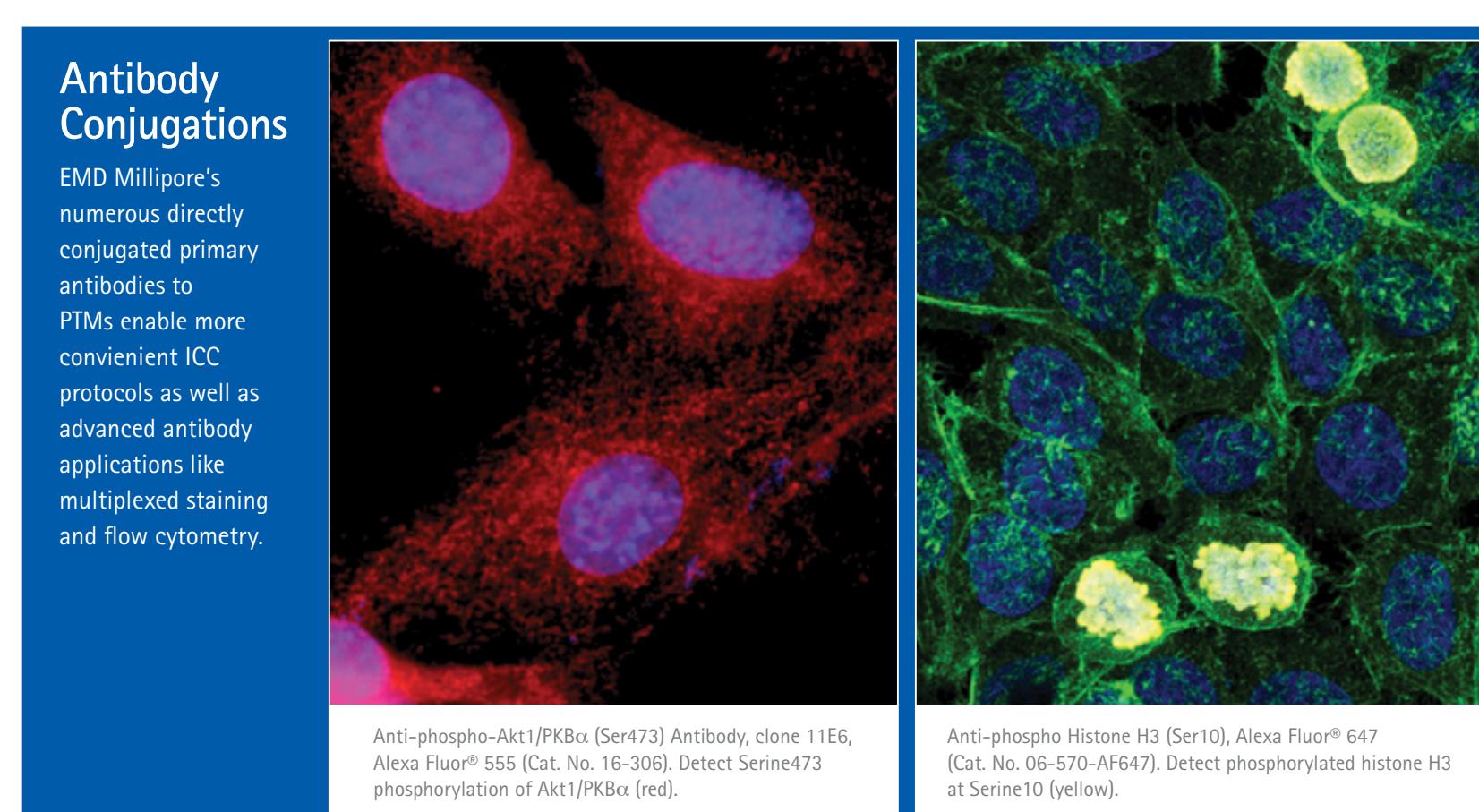
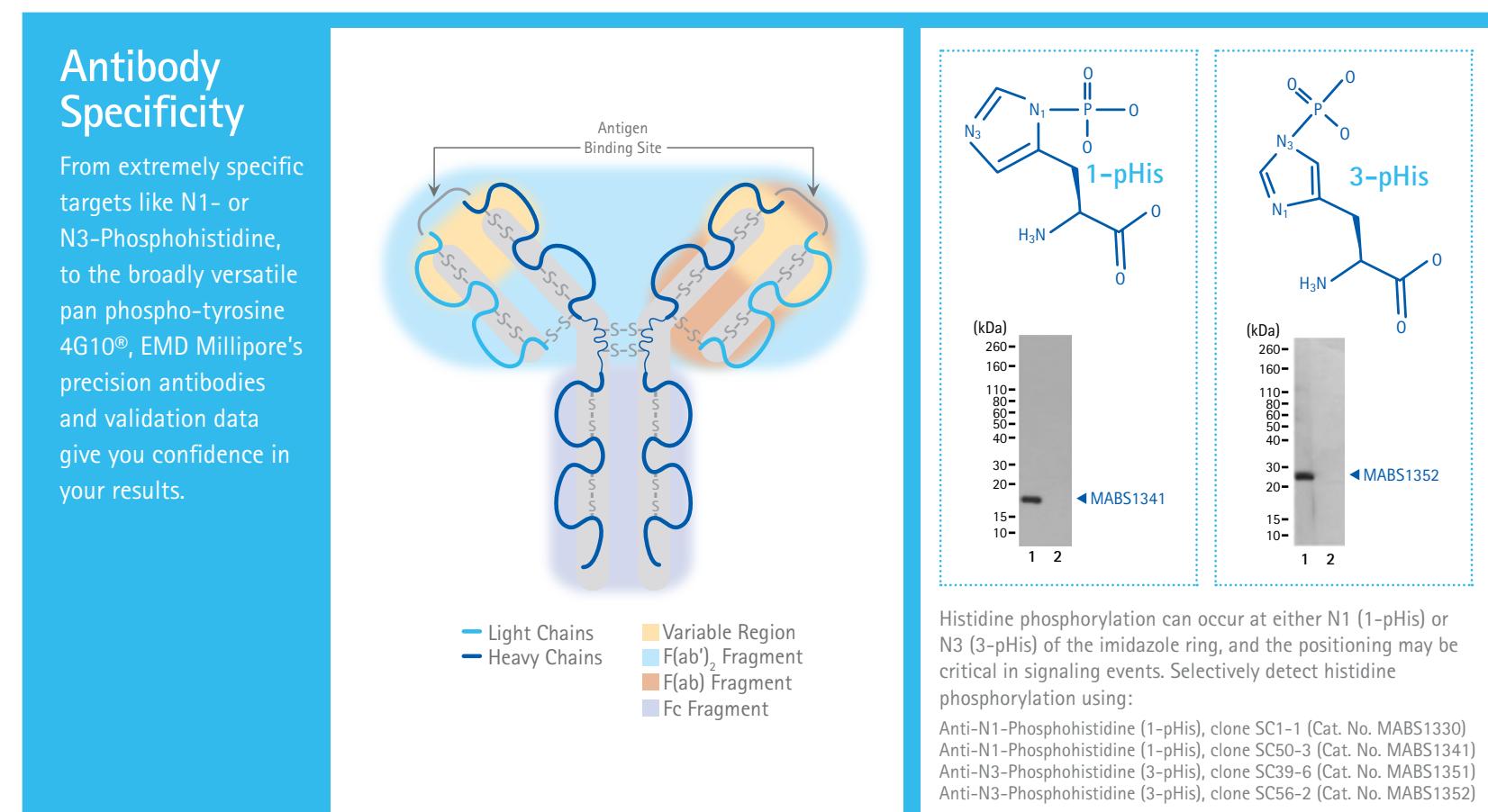
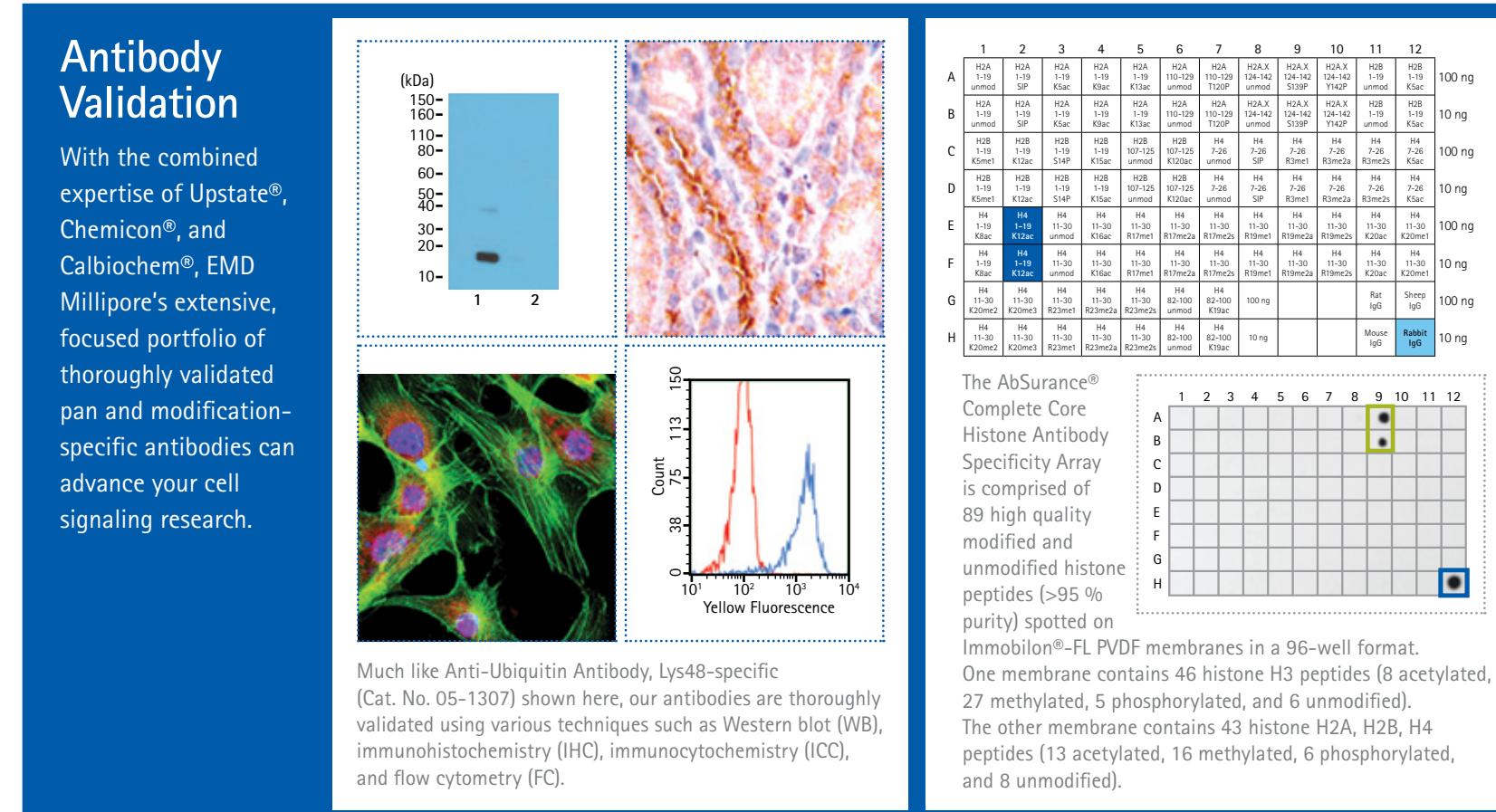


# Post-Translational Modifications

From stem cells to aging and disease, post-translational modifications (PTMs) underlie the incredible scale and dynamics of the proteome. Make sense of your cell signaling pathways by detecting and measuring PTMs.



Post-Translational Modifications	Change in Molecular Weight (Da)	Post-Translational Modifications	Change in Molecular Weight (Da)	Post-Translational Modifications	Change in Molecular Weight (Da)
Acetylation	42.0373	Hydroxylation	15.9994	Palmitoylation	238.23
▲ Citrullination or Deimination	<1	○ Methylation	14.0269	△ Phosphorylation	79.9799
○ Crotonylation	68.0230	★ Myristoylation	210.3598	● Sulfation	80.0624
□ Farnesylation	204.3556	○ Neddylation	9072	○ Sumoylation	~12,000
■ Glycosylation	Varies per MW of conjugated saccharide	△ Nitration	44.985	▲ Oxidation	114.043
		◆ Ubiquitination	15.9994		