

**MOUSE ANTI-TUBULIN, BETA III ISOFORM  
MONOCLONAL ANTIBODY**

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<b>CATALOG NUMBER:</b>	MAB1637	<b>QUANTITY:</b>	100 µL
<b>LOT NUMBER:</b>		<b>EPITOPE:</b>	C-terminus
<b>CLONE NAME:</b>	TU-20 (similar to TUJ1)	<b>HOST/ISOTYPE:</b>	Ms IgG <sub>1</sub>
<b>BACKGROUND:</b>	The beta III tubulin isoform is found exclusively in neuronal processes and has been used extensively to identify and image neurons.		
<b>SPECIFICITY:</b>	The antibody reacts with the C-terminus of the neuron specific beta III isoform of tubulin. Does not identify beta tubulin found in glial cells.		
<b>IMMUNOGEN:</b>	A synthetic peptide corresponding to amino acids 443-450 (ESESQGPK) of human class III beta-tubulin conjugated to KLH.		
<b>APPLICATIONS:</b>	Immunocytochemistry on fixed cells: 1:100 to 1:500. Immunohistochemistry on formalin fixed frozen or paraffin embedded tissue sections: 1:20 to 1:100. High temperature citrate buffer antigen retrieval is recommended with paraffin embedded tissue sections. Immunoblotting: 1:1,000. Antibody will detect a single band at 50 kDa corresponding to class III beta-tubulin. Immunoprecipitation ELISA Optimal working dilution must be determined by the end user.		
<b>SPECIES REACTIVITY:</b>	Avian, Mouse, Porcine (Pig), Rat, Bovine, Sheep, Human, Monkey. Reactivity with other species has not been confirmed.		
<b>CONTROL:</b>	Positive control: Brain tissue or neurons of any type. Negative control: Non neural tissue or Astrocytes.		
<b>FORMAT:</b>	Ascites.		
<b>PRESENTATION:</b>	Liquid in PBS containing 1% BSA and 15 mM sodium azide.		
<b>STORAGE/HANDLING:</b>	Maintain at -20°C in undiluted aliquots for up to 12 months after date of receipt. Avoid repeated freeze/thaw cycles.		
<b>REFERENCES:</b>	Scintu, F., et al., <i>BMC Neuroscience</i> (2006) 7:14.		

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**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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