

MOUSE ANTI-TUBULIN, BETA III ISOFORM MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB1637-50UL	QUANTITY:	50 µL
LOT NUMBER:		EPITOPE:	C-terminus
CLONE NAME:	TU-20 (similar to TUJ1)	HOST/ISOTYPE:	Ms IgG₁
BACKGROUND:	The beta III tubulin isoform is found exclusively in neuronal processes and has been used extensively to identify and image neurons.		
SPECIFICITY:	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.		
IMMUNOGEN:	A synthetic peptide corresponding to amino acids 443-450 (ESESQGPK) of human class III beta-tubulin conjugated to KLH.		
APPLICATIONS:	 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. 		
SPECIES REACTIVITY:	Avian, Mouse, Porcine (Pig), Rat, Bovine, Sheep, Human, Monkey. Reactivity with other species has not been confirmed.		
CONTROL:	Positive control: Brain tissue or neurons of any type. Negative control: Non neural tissue or Astrocytes.		
FORMAT:	Ascites.		
PRESENTATION:	Liquid in PBS containing 1% BSA and 15 mM sodium azide.		
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 12 months after date of receipt. Avoid repeated freeze/thaw cycles.		
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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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