



MAST1 Monoclonal Antibody

Catalog No	YP-mAb-05036
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MAST1 KIAA0973 SAST
Immunogen	Synthesized peptide derived from human protein . at AA range: 300-380
Specificity	MAST1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SAST170;SAST;Microtubule-associated serine/threonine-protein kinase 1;MAST 1;KIAA0973;MAST1;MAST1 KIAA0973 SAST;Microtubule-associated serine/threonine-protein kinase 1 (EC 2.7.11.1) (Syntrophin-associated serine/threonine-protein kinase)
Observed Band	171 kDa
Calculated Molecular Weight	1570 aa, 171 kDa
Cell Pathway	Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasm, cytoskeleton . Cell projection, axon . Cell projection, dendrite . Also localized in the soma of neurons. Observed as punctate clusters in the processes of interneurons and along the cell body periphery. Colocalizes with syntrophins at the cell membrane. .
Tissue Specificity	Expressed in fetal brain.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,function:Appears to link the dystrophin/utrophin network with microtubule filaments via the syntrophins. Phosphorylation of DMD or UTRN may modulate their affinities for associated proteins.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family., similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 PDZ



(DHR) domain.,similarity:Contains 1 protein kinase domain.,subcellular location:Colocalizes with syntrophins at the cell membrane.,subunit:Part of a low affinity complex that associates with, but is distinct from, the post-synaptic density. Interacts with SNTB2.,

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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images