



MAST1 Polyclonal Antibody

Catalog No	YP-Ab-05036
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	MAST1 KIAA0973 SAST
Immunogen	Synthesized peptide derived from human protein . at AA range: 300-380
Specificity	MAST1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
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.,

Background

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.,

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