

Mouse Mast1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20323b

Product Information

Application	WB, E
Primary Accession	Q9R1L5
Other Accession	Q810W7
Reactivity	Human, Rat, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42067
Calculated MW	170997
Antigen Region	1438-1464

Additional Information

Gene ID	56527
Other Names	Microtubule-associated serine/threonine-protein kinase 1, Syntrophin-associated serine/threonine-protein kinase, Mast1 {ECO:0000312 MGI:MGI:1861901}
Target/Specificity	This Mouse Mast1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1438-1464 amino acids from the C-terminal region of mouse Mast1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Mast1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Mast1 {ECO:0000312 MGI:MGI:1861901}
Function	Microtubule-associated protein essential for correct brain development

(PubMed:[30449657](#)). 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.

Cellular Location

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cell projection, axon. Cell projection, dendrite. Note=Also localized in the soma of neurons (PubMed:30449657). Observed as punctate clusters in the processes of interneurons and along the cell body periphery Colocalizes with syntrophins at the cell membrane

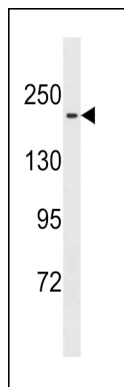
Tissue Location

Expressed in the brain (PubMed:30449657). Expressed in the developing cortical plate, the intermediate zone and corpus callosal fibers that cross the midline (PubMed:30449657). Detected at low levels in the testis, liver and spleen (PubMed:30449657). Expressed in proximity to neuronal nuclei throughout the cortex and cerebellum, and in the vascular endothelium. Also detected in ependymal cells, the choroid plexus, and in developing spermatid acrosomes

Background

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.

Images



Mouse Mast1 Antibody (C-term) (Cat. #AP20323b) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the Mouse Mast1 antibody detected the Mouse Mast1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.