

Mouse Mast1 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP20323b

Specification

Mouse Mast1 Blocking Peptide (C-term) - Product Information

Primary Accession

[O9R1L5](#)

Other Accession

[O810W7](#)**Mouse Mast1 Blocking Peptide (C-term) - 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}

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Mast1 Blocking Peptide (C-term) - 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

Mouse Mast1 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

Mouse Mast1 Blocking Peptide (C-term) - Images

Mouse Mast1 Blocking Peptide (C-term) - Background

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