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SAST Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP7247a

Specification

SAST Blocking Peptide (N-term) - Product Information

Primary Accession	Q9R1L5
Other Accession	Q811L6, O15021, Q60592, Q6P0Q8, Q810W7, Q9Y2H9

SAST Blocking Peptide (N-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}

Target/Specificity
The synthetic peptide sequence is selected from aa 25~39 of MOUSE Mast1

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.

SAST Blocking Peptide (N-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

SAST Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides