MAST1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	MAST1, Blocking Peptide
Full Product Name	MAST1 Peptide - C-terminal region
Product Gene Name	MAST1 blocking peptide
Product Synonym Gene Name	KIAA0973; SAST; SAST170
Sequence	QESPLSLGAD PLLPEGASRP PVSSKEKESP GGAEACTPPR ATTPGGRTLE
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	MAST1 peptide (MBS3241815) is used for blocking the activity of MAST1 antibody (MBS3216916)
Molecular Weight	171kDa
OMIM	612256
Product Categories/Family for MAST1 blocking peptide	Peptide
Applications Tested/Suitable for MAST1 blocking peptide	Western Blot (WB)
Related Product Information for MAST1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-MAST1 Antibody, made Target Description: MAST1 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.
Other Notes	Small volumes of MAST1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MAST1 purchase	MBS3241815 is a blocking peptide targeting MAST1. Also known as MAST1 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAST1. It may not necessarily be applicable to this product.

NCBI GI #	45120119
NCBI GeneID	22983
NCBI Accession #	NP_055790
UniProt Primary Accession #	Q9Y2H9
UniProt Related Accession #	Q9Y2H9
GenBank Nucleotide #	NM_014975
NCBI Official Full Name	microtubule-associated serine/threonine-protein kinase 1
NCBI Official Synonym Full Names	microtubule associated serine/threonine kinase 1

NCBI Official Symbol	MAST1
NCBI Official Synonym Symbols	SAST; MCCCHCM
UniProt Protein Name	Microtubule-associated serine/threonine-protein kinase 1
UniProt Synonym Protein Names	Syntrophin-associated serine/threonine-protein kinase
Protein Family	Microtubule-associated serine/threonine-protein kinase
UniProt Gene Name	MAST1
UniProt Entry Name	MAST1_HUMAN
NCBI Protein Information	microtubule-associated serine/threonine-protein kinase 1
NCBI Summary for MAST1	This gene is a member of the microtubule-associated serine/threonine kinase (MAST) family. The protein encoded by this gene has an N-terminal serine/threonine kinase domain followed by a postsynaptic density protein-95/discs large/zona occludens-1 (PDZ) domain. In mouse and rat, the orthologous protein associates with the cytoskeleton and can bind both beta-2-syntrophin and neuronal nitric oxide synthase (nNOS) through its PDZ domain. In mouse and rat, this protein also co-localizes with dystrophin- and utrophin-associated protein complexes (DAPC/UAPC) in the vascular endothelium of the central nervous system. [provided by RefSeq, May 2017]
Research Articles on MAST1	**1.** Overexpression of MAST1 or MAST2 gene fusions has a proliferative effect both in vitro and in vivo in breast cancer cell lines.
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