

MAST1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15275**Specification**

MAST1 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9Y2H9
Other Accession	NM_014975 , NP_055790
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	171kDa KDa

MAST1 Antibody - N-terminal region - Additional Information**Gene ID** 22983**Alias Symbol** KIAA0973, SAST, SAST170**Other Names**

Microtubule-associated serine/threonine-protein kinase 1, 2.7.11.1, Syntrophin-associated serine/threonine-protein kinase, MAST1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=19034)
HGNC:19034

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-MAST1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

MAST1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

MAST1 Antibody - N-terminal region - Protein Information**Name** MAST1 ([HGNC:19034](#))**Function**

Microtubule-associated protein essential for correct brain development (PubMed:<http://www.uniprot.org/citations/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 (By

similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9R1L5}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9R1L5}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9R1L5}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9R1L5}. Cell projection, axon {ECO:0000250|UniProtKB:Q9R1L5}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q9R1L5}. Note=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. {ECO:0000250|UniProtKB:Q9R1L5}

Tissue Location

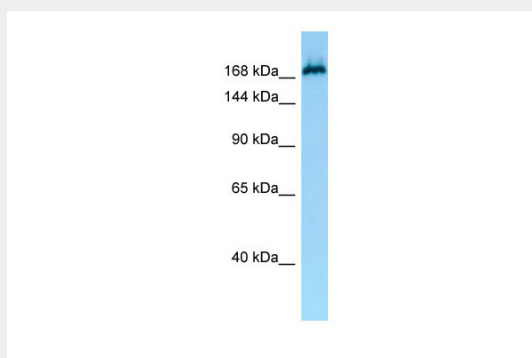
Expressed in fetal brain.

MAST1 Antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MAST1 Antibody - N-terminal region - Images



WB Suggested Anti-MAST1 Antibody Titration: 1.0 µg/ml
Positive Control: Jurkat Whole Cell

MAST1 Antibody - N-terminal region - References

Nagase T., et al. DNA Res. 6:63-70(1999).
Grimwood J., et al. Nature 428:529-535(2004).
Greenman C., et al. Nature 446:153-158(2007).