

MAST1 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15274**Specification**

MAST1 Antibody - C-terminal region - Product Information

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

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

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

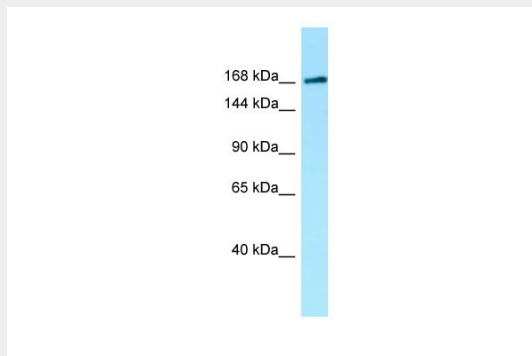
Tissue Location

Expressed in fetal brain.

MAST1 Antibody - C-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 - C-terminal region - Images

WB Suggested Anti-MAST1 Antibody Titration: 1.0 µg/ml
Positive Control: HT1080 Whole Cell

MAST1 Antibody - C-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).