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

Specification

MAST1 Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9Y2H9
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 (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: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}

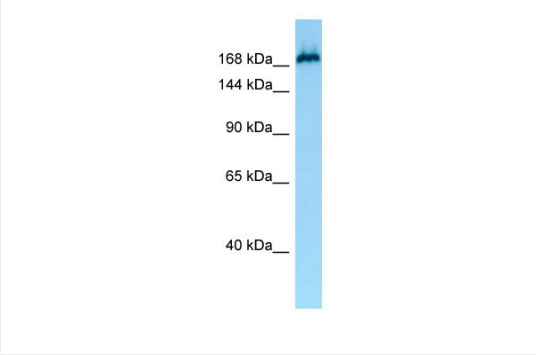
Tissue Location
Expressed in fetal brain.

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 Cytomety
- 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).