

MAST1 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15275

Product Information

Application	WB
Primary Accession	Q9Y2H9
Other Accession	NM_014975 , NP_055790
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	170677

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.

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.

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.