

SAST124 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56620

Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q9Y2H9
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	170677

Additional Information

Gene ID	22983
Other Names	Microtubule-associated serine/threonine-protein kinase 1, 2.7.11.1, Syntrophin-associated serine/threonine-protein kinase, MAST1 (HGNC:19034)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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}. 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.

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