

**SAST124 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56620****Specification**

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**SAST124 Polyclonal Antibody - Product Information**

Application	<b>IHC-P, IHC-F, IF, ICC</b>
Primary Accession	<a href="#">Q9Y2H9</a>
Reactivity	<b>Rat, Pig</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>170677</b>

**SAST124 Polyclonal Antibody - 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](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=19034))

**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.

**SAST124 Polyclonal Antibody - Protein Information****Name** MAST1 ([HGNC:19034](#))**Function**

Microtubule-associated protein essential for correct brain development (PubMed:[30449657](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.

**SAST124 Polyclonal Antibody - 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](#)