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# SAST124 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56620

## Product Information

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

## Additional Information

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|---|---|
| **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 |
| **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

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|---|---|
| **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. |

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