

# MAST1 Antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI15275

#### **Product Information**

Application WB
Primary Accession Q9Y2H9

Other Accession <u>NM 014975</u>, <u>NP 055790</u>

**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 ( <u>HGNC:19034</u>)

**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}

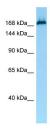
**Tissue Location** 

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'.