

For Research Use Only

# MAST1 Polyclonal antibody

Catalog Number:13305-1-AP

Featured Product

2 Publications



## Basic Information

**Catalog Number:**

13305-1-AP

**Size:**

350 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4126

**GenBank Accession Number:**

BC027985

**GeneID (NCBI):**

22983

**UNIPROT ID:**

Q9Y2H9

**Full Name:**

microtubule associated serine/threonine kinase 1

**Calculated MW:**

1570 aa, 171 kDa

**Observed MW:**

171 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

WB, IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Positive Controls:**

WB : SH-SY5Y cells, mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

## Background Information

MAST1(microtubule associated serine/threonine kinase 1) is also named as KIAA0973, SAST(syntrophin-associated serine/threonine-protein kinase), SAST170 and belongs to the family of microtubule-associated serine/threonine kinases, which has a unique structural feature with a serine/threonine kinase domain and a postsynaptic density protein-95/discs large/zona occludens-1 domain(PMID:12614677). This protein plays a role in a broad range of neural functions and it appears to link the dystrophin/utrophin network with microtubule filaments via the syntrophins.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ratna Tripathy	30449657	Neuron	WB
Apoorvi Tyagi	35966591	Theranostics	WB,IHC,IF,IP

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

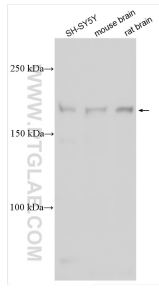
T: 4006900926

E: Proteintech-CN@ptglab.com

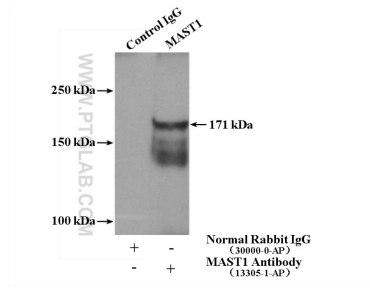
W: ptgcn.com

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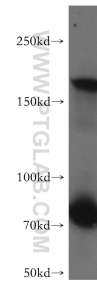
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13305-1-AP (MAST1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-MAST1 (IP:13305-1-AP, 4ug; Detection:13305-1-AP 1:500) with mouse brain tissue lysate 4000ug.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13305-1-AP (MAST1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.