

For Research Use Only

# MAST1 Polyclonal antibody

Catalog Number: 13305-1-AP

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 13305-1-AP	<b>GenBank Accession Number:</b> BC027985	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 22983	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> microtubule associated serine/threonine kinase 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1570 aa, 171 kDa	
<b>Immunogen Catalog Number:</b> AG4126	<b>Observed MW:</b> 171 kDa	

## Applications

<b>Tested Applications:</b> IP, WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, IP : mouse brain tissue,
<b>Cited Applications:</b> IF, IHC, IP, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## 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

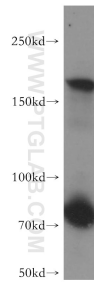
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

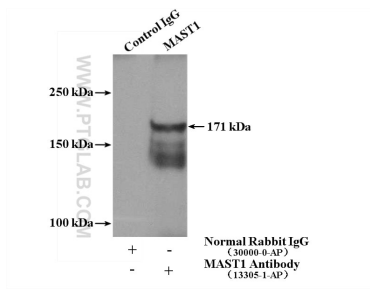
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



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.



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