

For Research Use Only

MAST1 Polyclonal antibody

Catalog Number: 13305-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

13305-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

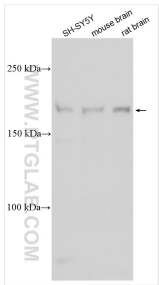
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

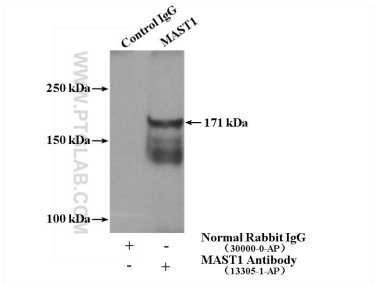
E: proteintech@ptglab.com
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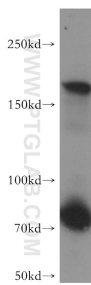
Selected Validation Data



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.