

For Research Use Only

MAST3 Polyclonal antibody

Catalog Number: 19507-1-AP



Basic Information

Catalog Number:

19507-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015016

GeneID (NCBI):

23031

UNIPROT ID:

O60307

Full Name:

microtubule associated serine/threonine kinase 3

Calculated MW:

143 kDa

Observed MW:

144 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Jurkat cells, human brain tissue, mouse lung tissue, mouse brain tissue, rat brain tissue

IP: Jurkat cells,

IHC: human kidney tissue,

IF/ICC: HepG2 cells,

Background Information

MAST3, also named as KIAA0561, belongs to the protein kinase superfamily and AGC Ser/Thr protein kinase family. MAST3 catalyze the reaction: ATP + a protein = ADP + a phosphoprotein.

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

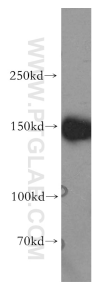
For technical support and original validation data for this product please contact:

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

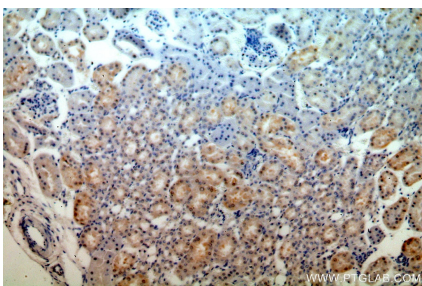
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

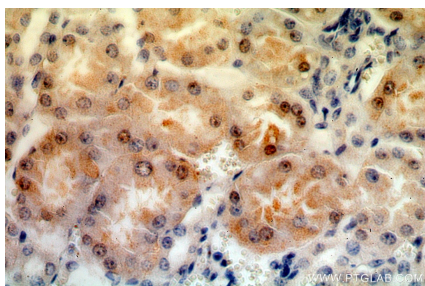
Selected Validation Data



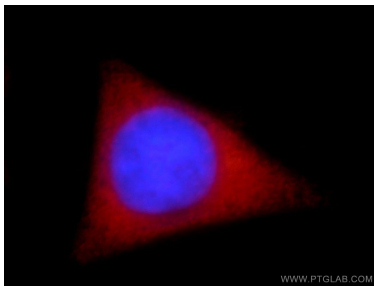
Jurkat cells were subjected to SDS PAGE followed by western blot with 19507-1-AP (MAST3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



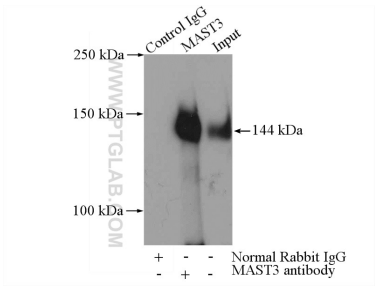
Immunohistochemical analysis of paraffin-embedded human kidney using 19507-1-AP (MAST3 antibody) at dilution of 1:100 (under 10x lens).



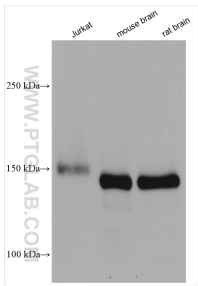
Immunohistochemical analysis of paraffin-embedded human kidney using 19507-1-AP (MAST3 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using MAST3 antibody 19507-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP result of anti-MAST3 (IP:19507-1-AP, 4ug; Detection:19507-1-AP 1:500) with Jurkat cells lysate 4000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 19507-1-AP (MAST3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.