

MAST3 Polyclonal antibody

Catalog Number: 19507-1-AP

Basic Information

Catalog Number:

19507-1-AP

Size:

550 µg/ml

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 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, 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:

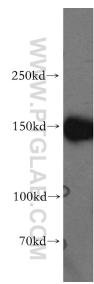
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

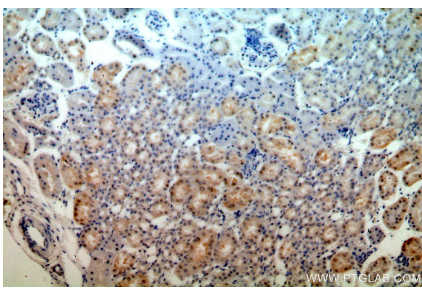
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

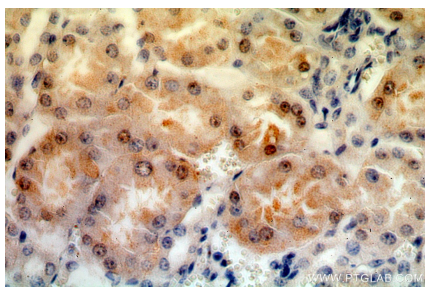
Selected Validation Data



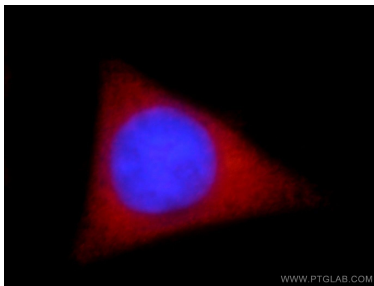
Jurkat cells were subjected to SDS PAGE followed by western blot with 19507-1-AP (MAST3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



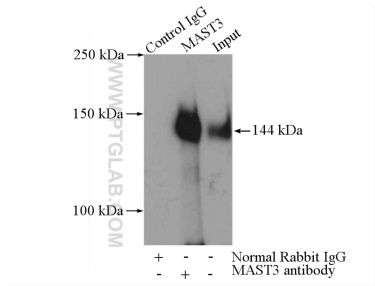
Immunohistochemical analysis of paraffin-embedded human kidney using 19507-1-AP (MAST3 antibody) at dilution of 1:100 (under 10x lens).



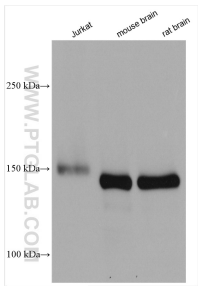
Immunohistochemical analysis of paraffin-embedded human kidney using 19507-1-AP (MAST3 antibody) at dilution of 1:100 (under 40x lens).



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.