

For Research Use Only

MAP4K1 Polyclonal antibody

Catalog Number: 23950-1-AP

3 Publications



Basic Information

Catalog Number:

23950-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20221

GenBank Accession Number:

BC152994

GeneID (NCBI):

11184

UNIPROT ID:

Q92918

Full Name:

mitogen-activated protein kinase kinase kinase 1

Calculated MW:

833 aa, 91 kDa

Observed MW:

90 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: Jurkat cells, Raji cells

IP: Jurkat cells,

IHC: human tonsillitis tissue, human liver tissue

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

Background Information

MAP4K1 (Mitogen-activated protein kinase kinase kinase kinase 1) is also named as MEKKK 1, HPK1 and belongs to the protein kinase superfamily. It may function as a novel tumor suppressor and its loss plays a critical role in pancreatic cancer. MAP4K1 regulates stress responses, proliferation, and apoptosis in hematopoietic cells. This protein has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Xunping Zhao	34530056	Cell Signal	WB
Li Zhou	37495569	Nat Commun	WB
Lin Yang	37106265	Clin Exp Med	WB

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

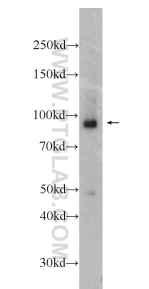
For technical support and original validation data for this product please contact:

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

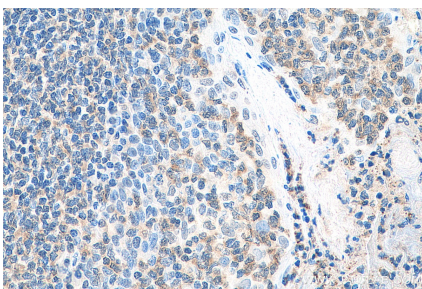
E: proteintech@ptglab.com
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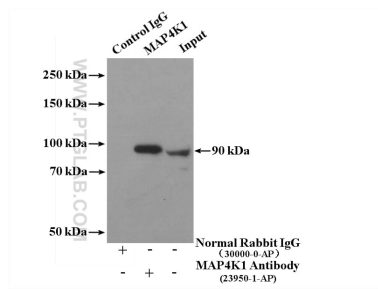
Selected Validation Data



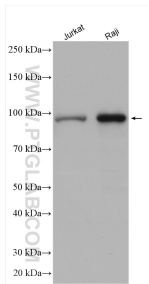
Raji cells were subjected to SDS PAGE followed by western blot with 23950-1-AP (MAP4K1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



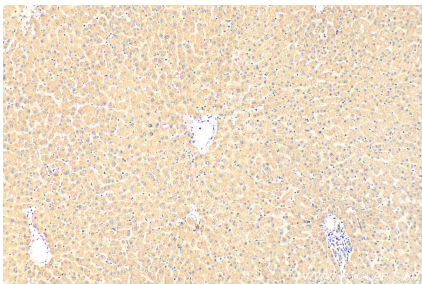
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 23950-1-AP (MAP4K1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



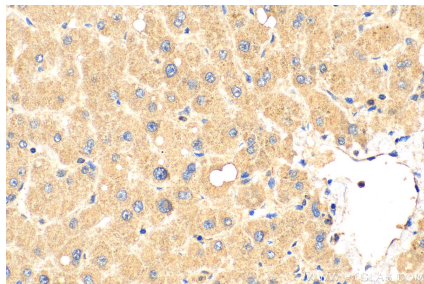
IP result of anti-MAP4K1 (IP:23950-1-AP, 4ug; Detection:23950-1-AP 1:1000) with Jurkat cells lysate 3200ug.



Various lysates were subjected to SDS PAGE followed by western blot with 23950-1-AP (MAP4K1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 23950-1-AP (MAP4K1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 23950-1-AP (MAP4K1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).