

For Research Use Only

# MAP4K1 Polyclonal antibody

Catalog Number: 23950-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 23950-1-AP	<b>GenBank Accession Number:</b> BC152994	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul, Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11184	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> mitogen-activated protein kinase kinase kinase 1	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 833 aa, 91 kDa	
<b>Immunogen Catalog Number:</b> AG20221	<b>Observed MW:</b> 90 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB: Jurkat cells, Raji cells
<b>Cited Applications:</b> WB	IP: Jurkat cells,
<b>Species Specificity:</b> human	IHC: human tonsillitis tissue, human liver tissue
<b>Cited Species:</b> human	

**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

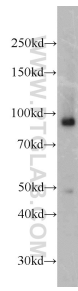
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

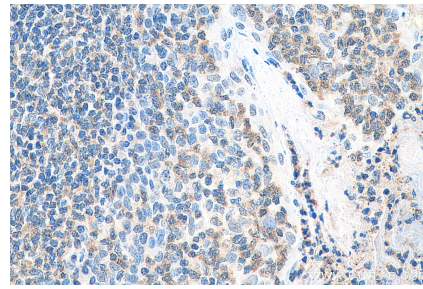
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

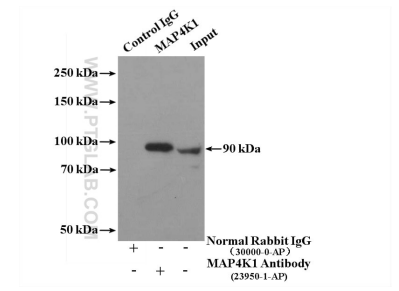
## Selected Validation Data



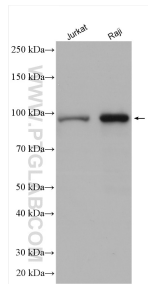
Raji cells were subjected to SDS PAGE followed by western blot with 23950-1-AP (MAP4K1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



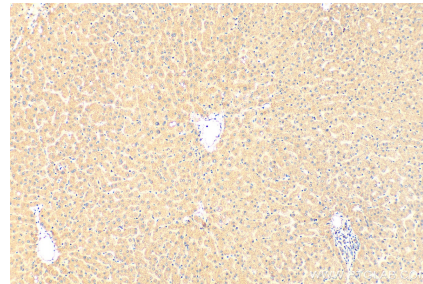
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 23950-1-AP (MAP4K1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



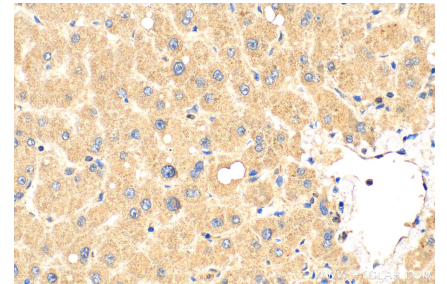
IP Result of anti-MAP4K1 (IP:23950-1-AP, 4ug; Detection:23950-1-AP 1:1000) with Jurkat cells lysate 3200ug.



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).