

For Research Use Only

MAP4K4 Polyclonal antibody

Catalog Number: 55247-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:
55247-1-AP

Size:
150ul, Concentration: 933 µg/ml by
Bradford method using BSA as the
standard;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_004834

GeneID (NCBI):
9448

Full Name:
mitogen-activated protein kinase
kinase kinase kinase 4

Calculated MW:
151 kDa

Observed MW:
130-160 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IP 0.5-4.0 µg for IP and 1:200-1:1000
for WB
IHC 1:20-1:200

Applications

Tested Applications:
IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human

Cited Species:
human, rat, mouse

**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, PC-3 cells

IP: Jurkat cells,

IHC: human skeletal muscle tissue, human placenta
tissue, human liver tissue

Background Information

MAP4K4, also named as RAB8IP1, GLK and MEKKK4, belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family and STE20 subfamily. It may play a role in the response to environmental stress. MAP4K4 appears to act upstream of the JUN N-terminal pathway. This antibody is specific to MAP4K4.

Notable Publications

Author	Pubmed ID	Journal	Application
Chongjie Yao	36045396	J Neuroinflammation	WB, IF
Hui Cheng	27754501	Mol Biosyst	WB
Jingzi Zhang	32105074	J Proteome Res	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

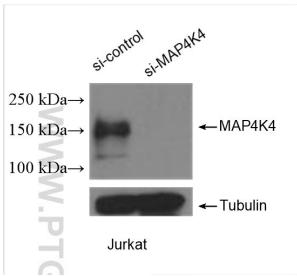
For technical support and original validation data for this product please contact:

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

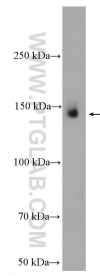
E: proteintech@ptglab.com
W: ptglab.com

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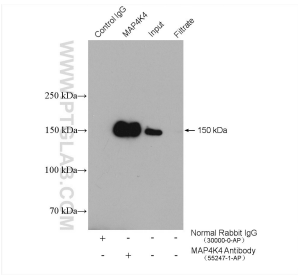
Selected Validation Data



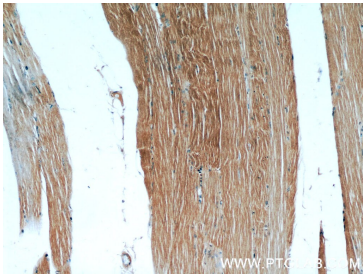
WB result of MAP4K4 antibody (55247-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MAP4K4 transfected Jurkat cells.



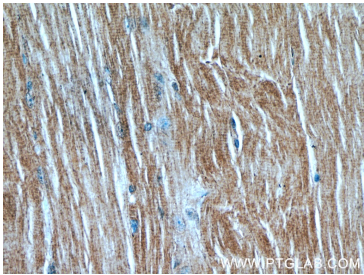
Jurkat cells were subjected to SDS PAGE followed by western blot with 55247-1-AP (MAP4K4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-MAP4K4 (IP:55247-1-AP, 4ug; Detection:55247-1-AP 1:300) with Jurkat cells lysate 4000 ug.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 55247-1-AP (MAP4K4 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 55247-1-AP (MAP4K4 antibody) at dilution of 1:50 (under 40x lens).