

For Research Use Only

MAP4K4 Polyclonal antibody

Catalog Number: 55247-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

55247-1-AP

Size:

930 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004834

GeneID (NCBI):

9448

UNIPROT ID:

O95819

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 1.0-3.0 mg of total
protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human, rat, mouse

Positive Controls:

WB: Jurkat cells, PC-3 cells

IP: Jurkat cells,

IHC: human skeletal muscle tissue, human placenta
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

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

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

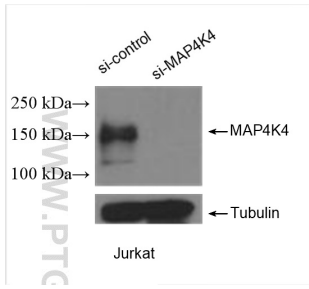
T: 4006900926

E: Proteintech-CN@ptglab.com

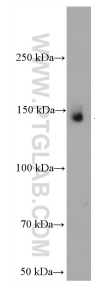
W: ptgcn.com

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

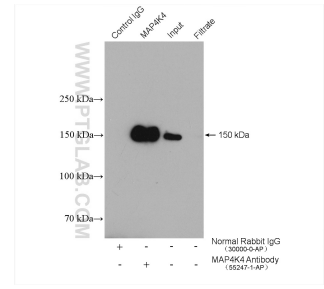
Selected Validation Data



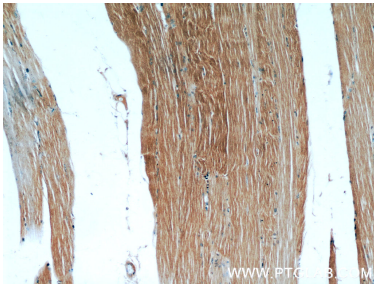
WB result of MAP4K4 antibody (55247-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MAP4K4 transfected Jurkat cells.



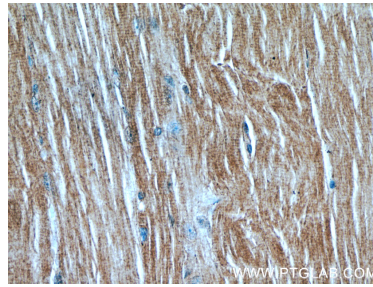
Jurkat cells were subjected to SDS PAGE followed by western blot with 55247-1-AP (MAP4K4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).