

For Research Use Only

# MAP2K3 Polyclonal antibody

Catalog Number: 13898-1-AP

Featured Product

9 Publications



## Basic Information

### Catalog Number:

13898-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4861

### GenBank Accession Number:

BC032478

### GeneID (NCBI):

5606

### UNIPROT ID:

P46734

### Full Name:

mitogen-activated protein kinase kinase 3

### Calculated MW:

347 aa, 39 kDa

### Observed MW:

36-40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB: A431 cells, mouse skeletal muscle tissue, A549 cells, THP-1 cells, rat skeletal muscle tissue

## Background Information

MAP2K3, also named MKK3, is a member of the dual specificity kinase group and serves as a specific activator of p38 MAPK with MKK6. MKK3 can be phosphorylated by cytokines and environmental stress at sites Ser189 and Thr193 by MKKK proteins (MEKK 1-4). MKK3 plays a key role in cell differentiation, motility, division, and death. It has been reported that MKK3 targeting may represent an effective and potentially safe therapeutic strategy to selectively kill cancer cells in colorectal cancer patients. (PMID: 31695024, 30770795, 26805700, 8622669)

## Notable Publications

Author	Pubmed ID	Journal	Application
Libo Hou	28889064	Mol Immunol	WB
Joan Sala-Gaston	36241744	Cell Mol Life Sci	WB
Shigui Chong	35324411	Bioengineered	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

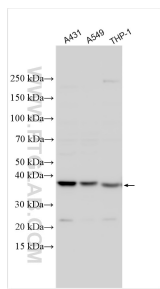
For technical support and original validation data for this product please contact:

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

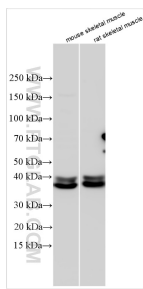
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13898-1-AP (MAP2K3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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