

**Product Name: MAP2K4 Mouse Monoclonal Antibody**  
**Catalog #: AMM80951**



## Summary

<b>Production Name</b>	MAP2K4 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,FC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	PBS containing 0.03% sodium azide.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	MAP2K4
<b>Alternative Names</b>	JNKK; MEK4; MKK4; SEK1; JNKK1; SERK1; MAPKK4; PRKMK4; MAP2K4
<b>Gene ID</b>	6416.0
<b>SwissProt ID</b>	P45985.Purified recombinant fragment of human MAP2K4 expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	42kDa

## Background

This gene encodes a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct

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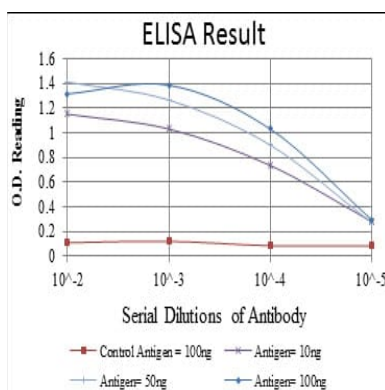


activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK3. This kinase is phosphorylated, and thus activated by MAP3K1/MEKK. The knockout studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver. Tissue specificity: Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.

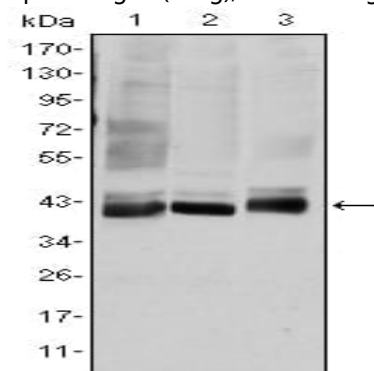
## Research Area

Apoptosis, TGF-beta signaling pathway, MAPK signaling pathway, Jak-STAT signaling pathway

## Image Data

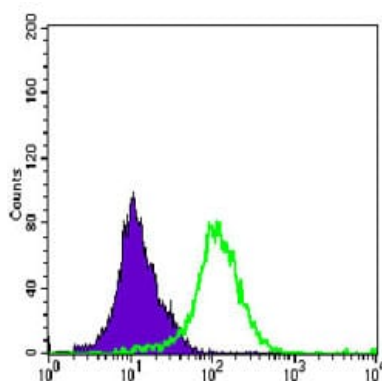


Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

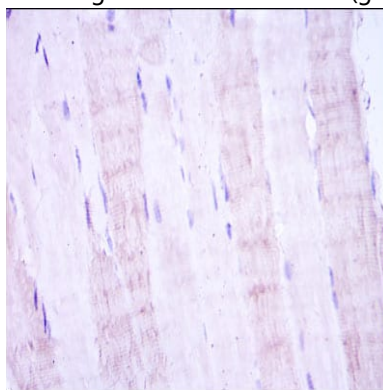


Western blot analysis using MAP2K4 mouse mAb against HepG2 (1), K562 (2), and HEK293 (3) cell lysate.

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Flow cytometric analysis of K562 cells using MAP2K4 mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human muscle tissues using MAP2K4 mouse mAb with DAB staining.

## **Note**

For research use only.