

**MAP2K3 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2234a**

**Specification**

**MAP2K3 Antibody - Product Information**

Application	E, WB, IF, FC, IHC
Primary Accession	<a href="#">P46734</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	39.3kDa KDa

**Description**

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersinia pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene.

**Immunogen**

Purified recombinant fragment of human MAP2K3 (AA: 1-138) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**MAP2K3 Antibody - Additional Information**

**Gene ID** 5606

**Other Names**

Dual specificity mitogen-activated protein kinase kinase 3, MAP kinase kinase 3, MAPKK 3, 2.7.12.2, MAPK/ERK kinase 3, MEK 3, Stress-activated protein kinase kinase 2, SAPK kinase 2, SAPKK-2, SAPKK2, MAP2K3, MEK3, MKK3, PRKMK3, SKK2

**Dilution**

E~~1/10000  
WB~~1/500 - 1/2000  
IF~~1/200 - 1/1000  
FC~~1/200 - 1/400  
IHC~~1/200 - 1/1000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MAP2K3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**MAP2K3 Antibody - Protein Information**

**Name** MAP2K3

**Synonyms** MEK3, MKK3, PRKMK3, SKK2

**Function**

Dual specificity kinase. Is activated by cytokines and environmental stress in vivo. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in the MAP kinase p38. Part of a signaling cascade that begins with the activation of the adrenergic receptor ADRA1B and leads to the activation of MAPK14.

**Tissue Location**

Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues

**MAP2K3 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)