

**MKK3 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10224****Specification**

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**MKK3 Antibody - Product Information**

Application	WB, IP
Primary Accession	<a href="#">P46734</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39318

**MKK3 Antibody - Additional Information****Gene ID** 5606**Application & Usage****Western blot analysis (0.5-4 µg/ml) and immunoprecipitation. However, the optimal conditions should be determined individually.****Other Names**

MAPKK3, MEK3, PRKMK3, MAP2K3, MKK3

**Target/Specificity**

MKK3

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.2 mg/ml) protein A affinity purified rabbit anti-MKK3 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

MKK3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **MKK3 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

## **MKK3 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](#)

## **MKK3 Antibody - Images**

## **MKK3 Antibody - Background**

MKK3 is a protein kinase that phosphorylates the p38 MAPK. Phosphorylation by MKK3 occurs on threonine and tyrosine residues and increases the activity of p38 to stimulate transcription factors ATF2 and Elk-1. MKK3, together with MKK6, serves as upstream regulators of p38 MAPK activation. A structural variant, MKK3b, has been identified that contains 29 more amino acids at its N-terminus.