10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

MKK3 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10224

Specification

MKK3 Antibody - Product Information

Application	**WB, IP**
Primary Accession	P46734
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.

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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 Cytomety
- 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.