BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-MEK3/MAP2K3 Antibody Picoband®

Catalog Number: PA1377-1

About MAP2K3

Dual specificity mitogen-activated protein kinase kinase 3 is an enzyme that in humans is encoded by the MAP2K3 gene. The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase 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. Rampoldi et al. (1997) localized the MAP2K3 gene to 17q11.2.

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Overview

Product Name	Anti-MEK3/MAP2K3 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MEK3/MAP2K3 Antibody catalog # PA1377-1. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P46734

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antibody and ELISA experts

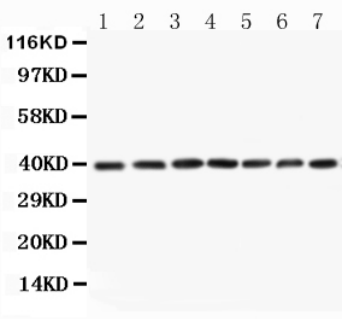
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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MEK3, identical to the related mouse and rat sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

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Anti-MEK3/MAP2K3 Antibody Picoband® (PA1377-1) Images



Anti-MEK3 antibody, PA1377-1, All Western blottingAll lanes: Anti-MAP2K3(PA1377-1) at 0.5ug/ml Lane 1: Rat Skeletal Muscle Tissue Lysate at 40ug Lane 2: Rat Kidney Tissue Lysate at 40ug Lane 3: Rat Spleen Tissue Lysate at 40ug Lane 4: HELA Whole Cell Lysate at 40ug Lane 5: A549 Whole Cell Lysate at 40ug Lane 6: JURKAT Whole Cell Lysate at 40ug Lane 7: CEM Whole Cell Lysate at 40ug Predicted bind size: 39KD Observed bind size: 39KD

1 Publications Citing This Product

1. PubMed ID: 24112539, Xu G, Zhang Y, Wei J, Jia W, Ge Z, Zhang Z, Liu X. Bmc Cancer. 2013 Oct 10;13:469. Doi: 10.1186/1471-2407-13-469. Microrna-21 Promotes Hepatocellular Carcinoma Hepg2 Cell Proliferation Through Repression Of Mitogen-Activated Protein Kinase-Kinase 3.

Visit bosterbio.com/anti-mek3-antibody-pa1377-1-boster.html to see all 1 publications.

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For Research Use Only. Not for use in diagnostic procedures.