

## Anti-MEK3/MAP2K3 Antibody Picoband® Biotin Conjugated

Catalog Number: PA1377-1-Biotin

### 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.

### Overview

Product Name	Anti-MEK3/MAP2K3 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P46734

### 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.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users.

Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.  
ELISA, Optimal dilutions should be determined by end users.

## 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.

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