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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-MEK2 C-Term MAP2K2 Monoclonal Antibody Biotin

Catalog Number: B00996

About MAP2K2

MEK2 antibodies detect the MEK2 isoform. Mitogen-activated protein kinase kinase 2, also known as MEK2 or MKK2, is an integral component of the MAP kinase cascade that regulates cell growth and differentiation. This pathway also plays a key role in synaptic plasticity in the brain. Activated MEK 2 acts as a dual specificity kinase phosphorylating both a threonine and a tyrosine residue on MAP kinase. MEK1 and MEK2 are about 80% identical to each other, and nearly identical within the kinase domain. This antibody does not react with MEK1. The MEK2 antibody is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.

Overview

Product Name	Anti-MEK2 C-Term MAP2K2 Monoclonal Antibody Biotin
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MEK2 C-Term MAP2K2 Monoclonal Antibody Biotin (Catalog # B00996). Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Conjugate	Biotin
Application	WB
Clonality	Monoclonal Clone: 12A6.G1.G11 IgG1 kappa
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at 4°C prior to restoration. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Mouse
Uniprot ID	P36507

Technical Details

Immunogen	Anti-MEK2 Monoclonal Antibody was produced in mice by repeated immunizations with synthetic peptide corresponding to amino acid residues near the C-terminus conjugated to KLH.
Predicted Reactive Species	Chimpanzee
Isotype	IgG1 kappa
Form	Lyophilized

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Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	This biotin conjugated protein A purified mouse monoclonal antibody reacts specifically with human MEK2. Anti-MEK2 is purified from tissue culture supernatant by protein A purification. Cross-reactivity is expected to occur with human, mouse, and rat based on sequence identity of the peptide immunogen. This antibody does not react with the MEK1 isoform.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ELISA: 1:40,000 Fluorochrome Protein Value: 10-20 WB: 1μg/mL

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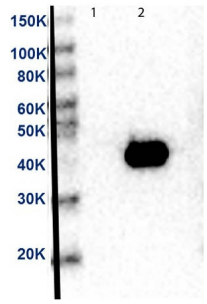
Anti-MEK2 C-Term MAP2K2 Monoclonal Antibody Biotin (B00996) Images



Western blot analysis of MEK2 in 50 ng MEK-1 recombinant protein (lane 1) and 50 ng MEK-2 recombinant protein (lane 2) using mouse anti-MEK2 affinity purified monoclonal antibody (Catalog # B00996). The blot was developed using chemiluminescence (ECL) method (Catalog # EK1001).