Datasheet for ABIN5596868

anti-MEK2 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µg
Target:	MEK2 (MAP2K2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	MEK2 N-Term Antibody
Immunogen:	Immunogen: Anti-MEK2 Monoclonal Antibody was produced in mice by repeated immunizations with synthetic peptide corresponding to amino acid residues near the N-terminus conjugated to KLH. Immunogen Type: Conjugated Peptide
Clone:	19G10-F1-E2
Isotype:	IgG2b kappa
Cross-Reactivity (Details):	This protein A purified mouse monoclonal antibody reacts specifically with human MEK2.
Characteristics:	Synonyms: mouse anti-MEK2 Antibody, MAP2K2, MEK, MEK 2, MKK2, PRKMK2 ,CFC4, MEK-2 Antibody
Purification:	Anti-MEK2 is purified from tissue culture supernatant by protein A purification.

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Product Details

Sterility:	Sterile filtered

Target Details

Target:	MEK2 (MAP2K2)
Alternative Name:	MAP2K2 (MAP2K2 Products)
Background:	Background: 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. The MEK2 antibody is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.
UniProt:	P36507
Pathways:	MAPK Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades, Signaling of Hepatocyte Growth Factor Receptor, BCR Signaling

Application Details

Application Notes:	Application Note: Anti-MEK 2 (MOUSE) antibody has been tested in ELISA, PAGE-MAP, and Western Blotting. Specific conditions of reactivity should be optimized by the end user. Expect a band of approximately 44 kDa. Western Blot Dilution: 1 µg/mL ELISA Dilution: 1:40,000
Restrictions:	For Research Use only

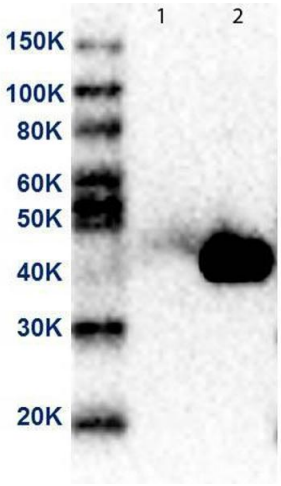
Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Anti-MEK2 Antibody. Lane 1: MEK-1 recombinant protein. Lane 2: MEK-2 recombinant protein. Load: 50ng per lane. Primary Antibody: Anti-MEK2 supernatant clone neat over night at 4°C. Secondary Antibody: Anti-mouse HRP at 1:40,000 dilution.