

Datasheet for ABIN5596865
anti-MEK2 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	MEK2 (MAP2K2)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MEK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	MEK2 C-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 C-terminus conjugated to KLH. Immunogen Type: Conjugated Peptide
Clone:	12A6-G1-G11
Isotype:	IgG1 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

Product Details

Purification: Anti-MEK2 is purified from tissue culture supernatant by protein A purification.

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. This antibody does not react with MEK1. 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 by ELISA 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

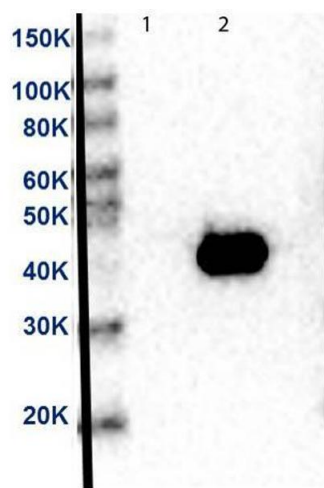
Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: None

Handling

	Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
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.