Datasheet for ABIN5706746

anti-MEK2 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	MEK2 (MAP2K2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	MEK2 N-Term Antibody
Immunogen:	Immunogen: Anti-MEK2 Antibody was produced in rabbits by repeated immunizations with synthetic peptide corresponding to amino acid residues near the N-terminus conjugated to KLH. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against human MEK2 protein.
Characteristics:	Synonyms: rabbit anti-MEK2 antibody, Dual specificity mitogen-activated protein kinase kinase 2, MAP kinase kinase 2, MAPKK 2, MAP2K2, MEK, MEK 2, MKK2, PRKMK2, CFC4, MEK-2, ERK activator kinase 2, MAPK/ERK kinase 2
Purification:	Anti-MEK2 antibody was prepared from monospecific antiserum by immunoaffinity

Product Details

	chromatography using synthetic peptide coupled to agarose beads.
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:	Immunohistochemistry Dilution: 1:100 Application Note: Anti-MEK 2 (RABBIT) antibody has been tested in ELISA, Western Blotting, and IHC. 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

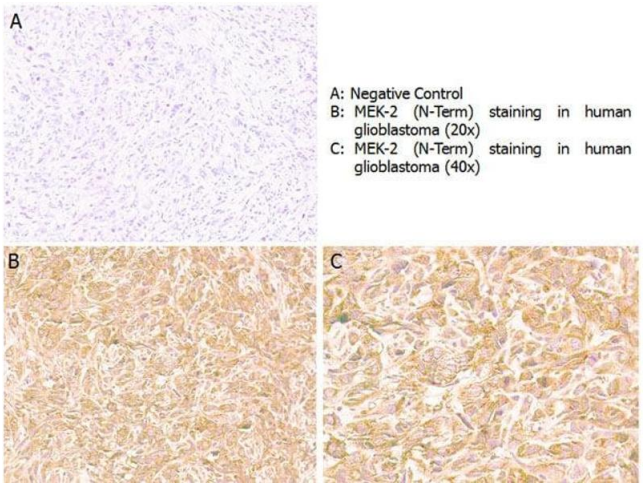
Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None

Handling

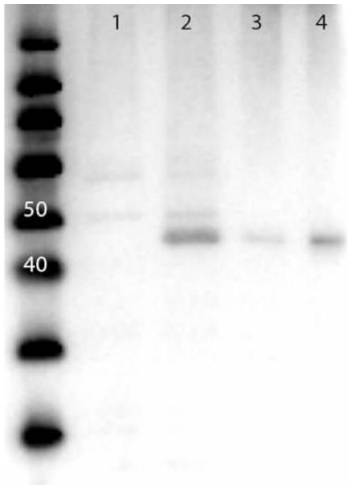
	Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable 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



Immunohistochemistry

Image 1. Immunohistochemistry with anti-MEK2 (N-Term) antibody showing positive staining in human glioblastoma tissue at 20x and 40x (B & C). Staining was performed on Leica Bond system using the standard protocol. Formalin fixed/paraffin embedded tissue sections were subjected to antigen retrieval and then incubated with rabbit anti-MEK2 (N-Term) antibody 600-401-GN8 at 1:100 dilution for 60 minutes. Biotinylated Anti-rabbit secondary antibody was used at 1:200 dilution to detect primary antibody. The reaction was developed using streptavidin-HRP conjugated compact polymer system and visualized with chromogen substrate, 3'3-diamino-benzidine substrate (DAB). The sections were then counterstained with hematoxylin to detect cell nuclei.



Western Blotting

Image 2. Western Blot of Anti-MEK2 N-term Antibody. Lane 1: MEK1 rec lysate. Lane 2: MEK2 rec lysate. Lane 3: Mouse Brain Whole cell lysate (p/n W10-000-T004). Lane 4: HEK293T Whole cell lysate (p/n W09-001-GX5). Load: 10 µg. Primary Antibody: Anti-MEK2 at 1 µg/mL overnight at 4 °C. Secondary Antibody: Goat Anti-Rabbit Peroxidase Conjugated Antibody at 1:40,000 for 30 min at RT. Blocking: BlockOut Universal Blocking buffer MB-073. Predicted MW: 45 kDa.