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Datasheet for 600-403-GN8

MEK2 N-Term Antibody HRP

Overview

Description:	Anti-MEK2 (RABBIT) Antibody Peroxidase Conjugated - 600-403-GN8
Item No.:	600-403-GN8
Size:	100 µg
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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.
Synonyms:	rabbit anti-MEK2 antibody peroxidase conjugation, HRP conjugated 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
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MAP2K2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
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.

Purity/Specificity:	This HRP conjugated affinity purified antibody is directed against human MEK2 protein. Anti-MEK2 antibody was prepared from monospecific antiserum by immunoaffinity chromatography using synthetic peptide coupled to agarose beads followed by cross adsorption to remove any unwanted reactivity. 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.
Relevant Links:	• UniProtKB - P36507

Application Details

Application Note:	Anti-MEK 2 (RABBIT) antibody is suitable for use in ELISA and Western Blotting. Specific conditions of reactivity should be optimized by the end user. Expect a band of approximately 44 kDa.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:40,000
WB:	1µg/mL

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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:	Expiration date is one (1) year from date of receipt.

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