

**Anti-MEK2 (RABBIT) Antibody Peroxidase Conjugated**  
**MEK2 N-Term Antibody HRP**  
**Catalog # ASR5832****Specification****Anti-MEK2 (RABBIT) Antibody Peroxidase Conjugated - Product Information**

Host	Rabbit
Conjugate	Peroxidase (Horseradish)
Target Species	Human
Reactivity	Rat, Human, Mouse
Clonality	Polyclonal
Application	WB, E, I, LCI
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.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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.
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

**Anti-MEK2 (RABBIT) Antibody Peroxidase Conjugated - Additional Information****Gene ID** 5605**Purity**

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.

**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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-MEK2 (RABBIT) Antibody Peroxidase Conjugated - Protein Information**

**Name** MAP2K2

**Synonyms** MEK2, MKK2, PRKMK2

**Function**

Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases (By similarity). Activates BRAF in a KSR1 or KSR2-dependent manner; by binding to KSR1 or KSR2 releases the inhibitory intramolecular interaction between KSR1 or KSR2 protein kinase and N-terminal domains which promotes KSR1 or KSR2-BRAF dimerization and BRAF activation (PubMed:<a href="http://www.uniprot.org/citations/29433126" target="\_blank">29433126</a>).

**Cellular Location**

Cytoplasm. Membrane; Peripheral membrane protein. Note=Membrane localization is probably regulated by its interaction with KSR1.

**Anti-MEK2 (RABBIT) Antibody Peroxidase Conjugated - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-MEK2 (RABBIT) Antibody Peroxidase Conjugated - Images****Anti-MEK2 (RABBIT) Antibody Peroxidase Conjugated - 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.