10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MEK1 (Thr292) Antibody

Our Anti-MEK1 (Thr292) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is p

Catalog # AN1448

Specification

Anti-MEK1 (Thr292) Antibody - Product Information

Primary Accession	Q02750
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	43439

Anti-MEK1 (Thr292) Antibody - Additional Information

Gene ID	5604

Other Names

Dual specificity mitogen activated protein kinase kinase 1 antibody, Dual specificity mitogen-activated protein kinase kinase 1 antibody, ERK activator kinase 1 antibody, MAP kinase kinase 1 antibody, MAP kinase/Erk kinase 1 antibody, MAP2K1 antibody, MAPK/ERK kinase 1 antibody, MAPKK 1 antibody, MAPKK1 antibody, MEK 1 antibody, Mek1 antibody, MEKK1 antibody, Mitogen activated protein kinase kinase 1 antibody, MKK 1 antibody, MKK1 antibody, MP2K1_HUMAN antibody, PRKMK1 antibody, Protein kinase mitogen activated kinase 1 (MAP kinase kinase 1) antibody, Protein kinase mitogen activated kinase 1 antibody

Target/Specificity

MEK 1 (MAP kinase kinase, also known as MKK) is an integral component of the MAP kinase cascade that regulates cell growth and differentiation (Ahn, 1993; Chong et al., 2003). This pathway also plays a key role in synaptic plasticity in the brain (Adams and Sweatt, 2002). Activated MEK 1 acts as a dual specificity kinase phosphorylating both a threonine and a tyrosine residue on MAP kinase (Kyriakis et al., 1991; Seger et al., 1991; Crews et al., 1992). Conversely, there also appears to be a feedback phosphorylation of MEK 1 by MAP kinase. The sites on MEK 1 that are phosphorylated by MAP kinase are Thr-292 and Thr-386 (Mansour et al., 1994).

Format

Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-MEK1 (Thr292) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

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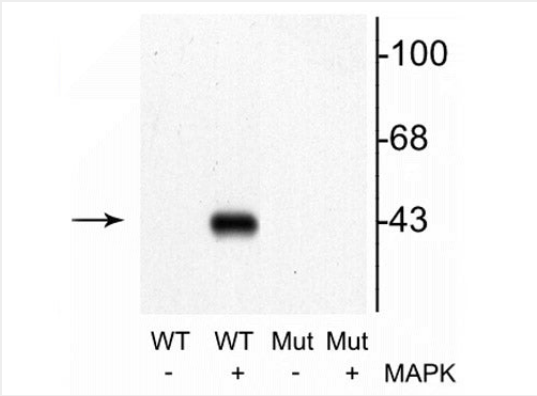
Anti-MEK1 (Thr292) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MEK1 (Thr292) Antibody - Images



Western blot of recombinant wild type MEK 1 (WT) and mutant MEK 1 (T292A) (Mut). Specific immunolabeling of the ~45 kDa MEK-1 protein phosphorylated at Thr292 is shown in the second lane where MAP kinase was coexpressed.

Anti-MEK1 (Thr292) Antibody - Background

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