

**Anti-MEK1 (Thr386) Antibody**

Our Anti-MEK1 (Thr386) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is p  
Catalog # AN1449

**Specification**

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**Anti-MEK1 (Thr386) Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Primary Accession | <a href="#">Q02750</a> |
| Host              | <b>Rabbit</b>          |
| Clonality         | <b>Polyclonal</b>      |
| Isotype           | <b>IgG</b>             |
| Calculated MW     | <b>43439</b>           |

**Anti-MEK1 (Thr386) 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 (Thr386) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

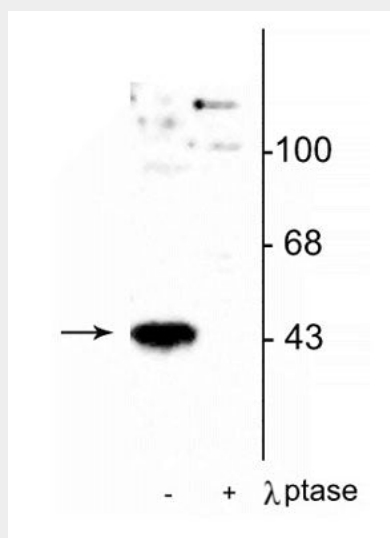
Blue Ice

## Anti-MEK1 (Thr386) 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 Cytometry](#)
- [Cell Culture](#)

## Anti-MEK1 (Thr386) Antibody - Images



Western blot of human T47D cells showing specific immunolabeling of the ~45 kDa MEK 1 protein phosphorylated at Thr386 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by blot treatment with lambda phosphatase ( $\lambda$ -Ptase, 1200 units for 30 min).

## Anti-MEK1 (Thr386) Antibody - Background

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