

# Anti-MKK2 (pT394) Antibody

Rabbit polyclonal antibody to MKK2 (pT394) Catalog # AP60045

# **Specification**

# Anti-MKK2 (pT394) Antibody - Product Information

Application WB, IP, IHC Primary Accession P36507

Reactivity Human, Monkey

Host Rabbit
Clonality Polyclonal
Calculated MW 44424

# Anti-MKK2 (pT394) Antibody - Additional Information

### **Gene ID 5605**

#### **Other Names**

MEK2; MKK2; PRKMK2; Dual specificity mitogen-activated protein kinase kinase 2; MAP kinase kinase 2; MAPKK 2; ERK activator kinase 2; MAPK/ERK kinase 2; MEK 2

### Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MKK2 (pT394). The exact sequence is proprietary.

#### Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IP (1/10 - 1/100) IP~~N/A IHC~~1:100~500

# **Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

### Storage

Store at -20 °C. Stable for 12 months from date of receipt

#### Anti-MKK2 (pT394) Antibody - 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**

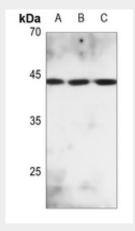
Cytoplasm. Membrane; Peripheral membrane protein. Note=Membrane localization is probably regulated by its interaction with KSR1.

# Anti-MKK2 (pT394) Antibody - Protocols

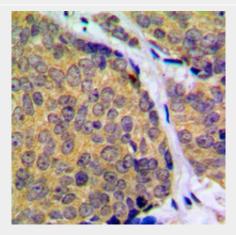
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Anti-MKK2 (pT394) Antibody - Images



Western blot analysis of MKK2 (pT394) expression in HEK293T (A), Hela (B), DLD (C) whole cell lysates.



Immunohistochemical analysis of MKK2 (pT394) staining in human breast cancer formalin fixed





Tel: 858.875.1900 Fax: 858.875.1999

paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

# Anti-MKK2 (pT394) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MKK2 (pT394). The exact sequence is proprietary.