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

Anti-MKK2 (pT394) Antibody

Rabbit polyclonal antibody to MKK2 (pT394)
Catalog # AP60045

Product Information

Application	WB, IP, IHC
Primary Accession	P36507
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44424

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	Recognizes endogenous levels of MKK2 (pT394) protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IP (1/10 - 1/100) IP~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IP (1/10 - 1/100)
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

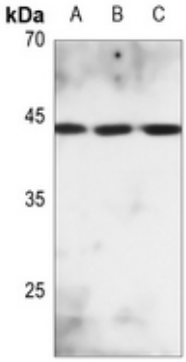
Protein Information

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:29433126).
Cellular Location	Cytoplasm. Membrane; Peripheral membrane protein. Note=Membrane localization is probably regulated by its interaction with KSR1.

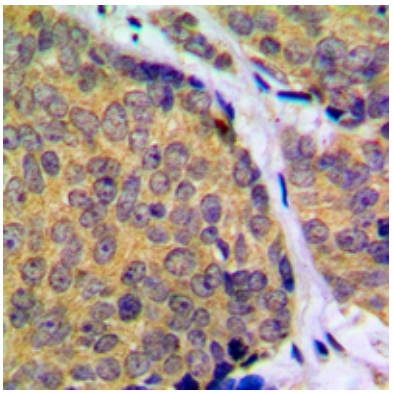
Background

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

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 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.