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# anti-MEK2 antibody (pThr394)

3 Images



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Alternative Name:

Quantity:	100 μL	
Target:	MEK2 (MAP2K2)	
Binding Specificity:	pThr394	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MEK2 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)	
Product Details		
lmmunogen:	Peptide sequence around phosphorylation site of threonine 394 (P-G-T(p)-P-T) derived from Human MEK-2.	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi	
Target Details		
	MEK2 (MAP2K2)	

MAP2K2 (MAP2K2 Products)

# Target Details

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Background: 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.

Crews C M, et al. (1992) Science. 258:478-480.

Alessi D R, et al. (1994) EMBO J. 13:1610-1619.

Rosen L B, et al. (1994) Neuron. 12:1207-1221.

Cowley S, et al. (1994) Cell. 77:841-852.

Aliases: Cardiofaciocutaneous syndrome antibody, CFC syndrome antibody, CFC4 antibody, Dual specificity mitogen activated protein kinase kinase 2 antibody, Dual specificity mitogenactivated protein kinase kinase 2 antibody, ERK activator kinase 2 antibody, FLJ26075 antibody, MAP kinase kinase 2 antibody, map2k2 antibody, MAPK / ERK kinase 2 antibody, MAPK/ERK kinase 2 antibody, MAPKK 2 antibody, MAPKK 2 antibody, MEK 2 antibody, MEK2 antibody, Microtubule associated protein kinase kinase 2 antibody, Mitogen activated protein kinase kinase 2 antibody, Mitogen activated protein kinase kinase 2 p45 antibody, MKK 2 antibody, MKK 2 antibody, MKK2 antibody, MP2K2\_HUMAN antibody, OTTHUMP00000165826 antibody, OTTHUMP00000165827 antibody, PRKMK 2 antibody, PRKMK2 antibody

UniProt:

#### P36507

Pathways:

MAPK Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades, Signaling of Hepatocyte Growth Factor Receptor, BCR Signaling

# **Application Details**

Application Notes: WB:1:50	00-1:1000, IHC:1:50-1:100, IF:1:100-1:200,
Restrictions: For Res	search Use only

#### Handling

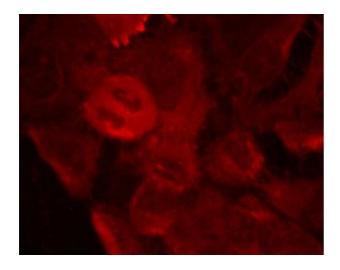
Handling		
Format:	Liquid	
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

# Handling

Storage:	-20 °C,-80 °C

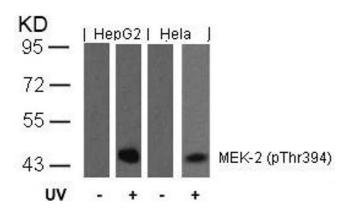
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

### **Images**



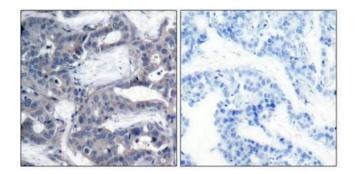
# **Immunofluorescence**

**Image 1.** Immunofluorescence staining of methanol-fixed Hela cells using MEK-2(Phospho-Thr394) Antibody.



# **Western Blotting**

**Image 2.** Western blot analysis of extracts from HepG2 and Hela cells untreated or treated with UV using MEK-2(Phospho-Thr394) Antibody.



# **Immunohistochemistry**

**Image 3.** Immunohistochemical analysis of paraffinembedded human breast carcinoma tissue using MEK-2(Phospho-Thr394) Antibody(left) or the same antibody preincubated with blocking peptide(right).