ARG51512
anti-MEK2 phospho (Thr394) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MEK2 phospho (Thr394)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MEK2
Species	Human
Immunogen	Peptide sequence around phosphorylation site of threonine 394 (P-G-T(p)-P-T) derived from Human MEK-2.
Conjugation	Un-conjugated
Alternate Names	MEK 2; PRKMK2; MAPK/ERK kinase 2; EC 2.7.12.2; MAPKK2; MEK2; MAPKK 2; MAP kinase kinase 2; CFC4; MKK2; ERK activator kinase 2; Dual specificity mitogen-activated protein kinase kinase 2

Application Instructions

Application table

Application	Dilution
ICC/IF	1:100 - 1:200
IHC-P	1:50 - 1:100
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

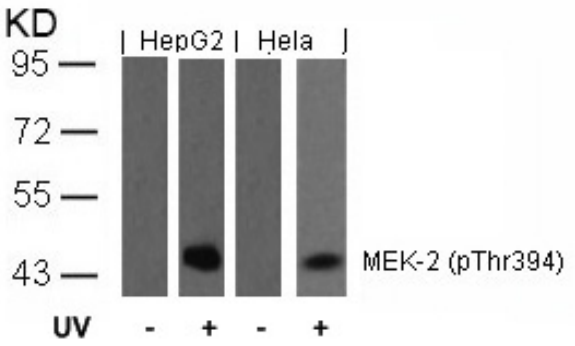
Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Buffer	PBS (without Mg2+ and Ca2+, pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

	and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

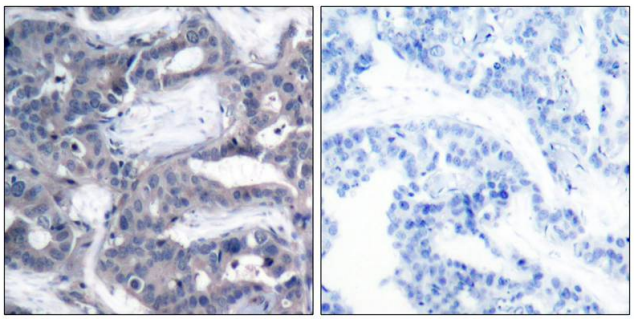
Gene Symbol	MAP2K2
Gene Full Name	mitogen-activated protein kinase kinase 2
Background	Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases.
Function	Catalyzes the concomitant phosphorylation 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). [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	44 kDa
PTM	MAPKK is itself dependent on Ser/Thr phosphorylation for activity catalyzed by MAP kinase kinase kinases (RAF or MEKK1). Phosphorylated by MAP2K1/MEK1 (By similarity). Acetylation of Ser-222 and Ser-226 by Yersinia yopJ prevents phosphorylation and activation, thus blocking the MAPK signaling pathway.

Images



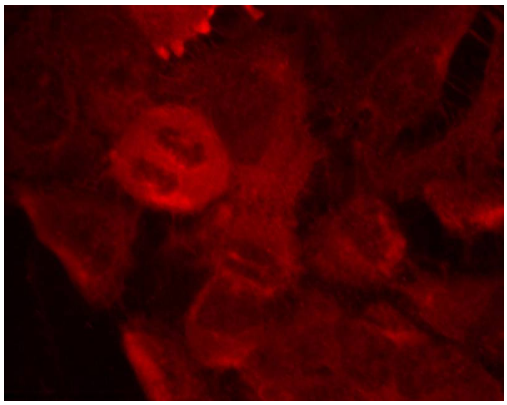
ARG51512 anti-MEK2 phospho (Thr394) antibody WB image

Western blot: Extracts from HepG2 and HeLa cells untreated or treated with UV stained with ARG51512 anti-MEK2 phospho (Thr394) antibody.



ARG51512 anti-MEK2 phospho (Thr394) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51512 anti-MEK2 phospho (Thr394) antibody (left) or the same antibody preincubated with blocking peptide (right).



ARG51512 anti-MEK2 phospho (Thr394) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51512 anti-MEK2 phospho (Thr394) antibody.