

Product datasheet for **AP02310PU-S**

MEK2 (MAP2K2) pThr394 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000; Incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0,1% Tween-20 at 4°C with gentle shaking, overnight. Immunohistochemistry on paraffin sections: 1/50 - 1/100. Immunofluorescence: 1/100 - 1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human MEK2 around the phosphorylation site of threonine 394 (P-G-TP-P-T).
Specificity:	MEK2 (phospho-Thr394) antibody detects endogenous levels of MEK2 only when phosphorylated at threonine 394.
Formulation:	Phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl containing 0.02% Sodium Azide as preservative and 50% glycerol as stabilizer State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	44 kDa
Gene Name:	mitogen-activated protein kinase kinase 2
Database Link:	Entrez Gene 5605 Human P36507



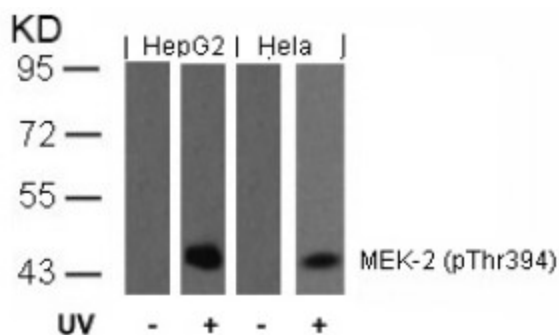
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Background:

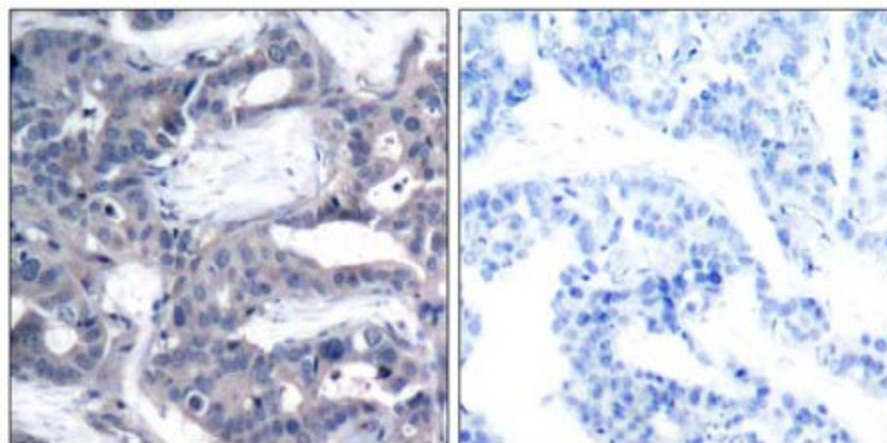
Microtubule associated protein kinase kinase 2 (MEK2 or MAPKK2) is a member of a family of tyrosine/threonine protein kinases that activate the ERK 1 & 2/MAPK enzymes by phosphorylating both residues within the threonine/glutamic acid/tyrosine (TEY) motif in the activation loop. MEK 1 & 2 are also activated by dual phosphorylation, which occurs on serines 218 and 222, in the activation loop of the MEKs. Threonine 394 of MEK2 is phosphorylated by ERK 2, which serves as a negative feedback loop by suppressing activation of MEK2.

Synonyms:

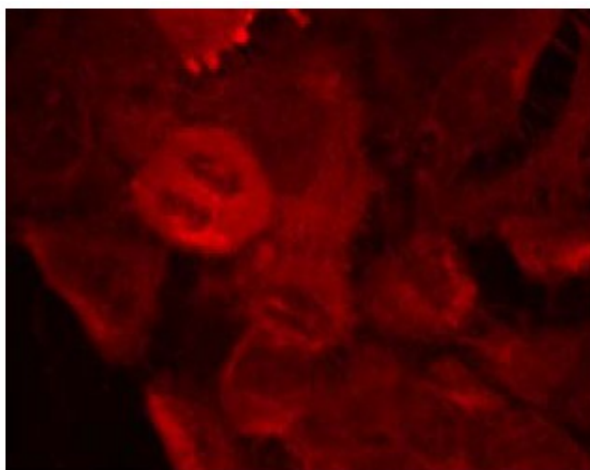
MAP kinase kinase 2, ERK activator kinase 2, MAPK/ERK kinase 2, MEK2, MKK2, MAP kinase kinase 2

Product images:


Western Blot analysis of extracted from HepG2 and HeLa untreated or treated with UV using MEK-2 (pThr394) antibody



Immunohistochemical staining of paraffin-embedded human breast carcinoma tissue using MEK-2 (pThr394) antibody (left) or the same antibody preincubated with blocking peptide (right)



Immunofluorescence staining of methanol fixed HeLa cells using MEK-2 (pThr394) Antibody