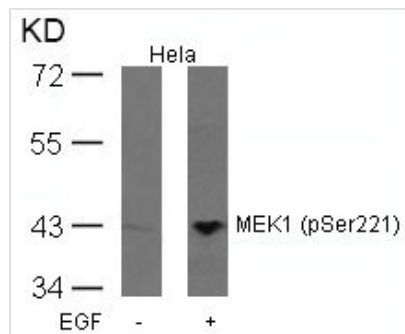


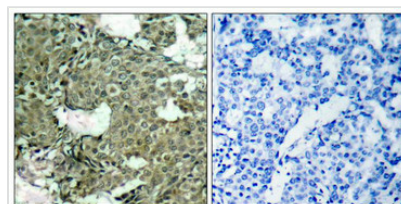


Phospho-MAP2K1 (Ser221) Antibody

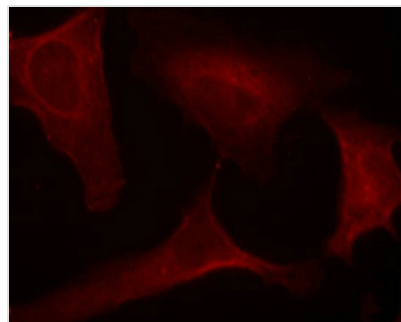
Product Code	CSB-PA439786
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q02750
Immunogen	Peptide sequence around phosphorylation site of serine 221 (A-N-S(p)-F-V) derived from Human MEK1.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of MEK1 only when phosphorylated at serine 221.
Tested Applications	ELISA,WB,IHC,IF;WB:1:500-1:1000,IHC:1:50-1:100,IF:1:100-1:200
Relevance	Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates ERK1 and ERK2 MAP kinases. Zebisch A, et al. (2006) Cancer Res; 66(7): 3401-8. Luciano BS, et al. (2006) J Biol Chem; 279(50): 52117-23. Wang X, et al. (2003) Oncogene; 22(1): 109-16. Gopalbhai K, et al. (2003) J Biol Chem; 278(10): 8118-25. Ling MT, et al. (2002) Oncogene; 21(55): 8498-505.
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	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 chromatography
Clonality	Polyclonal
Alias	ERK activator kinase 1; MAP kinase kinase 1; MAP2K1; MAPK/ERK kinase 1; MAPKK 1
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	MAP2K1
Image	



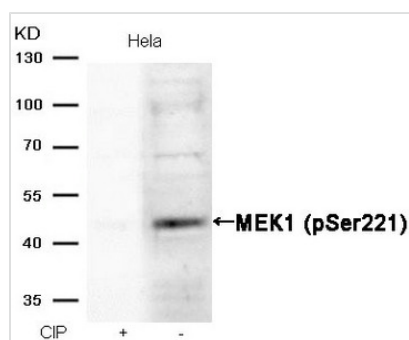
Western blot analysis of extracts from HeLa cells untreated or treated with EGF using MEK1(Phospho-Ser221) Antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MEK1(Phospho-Ser221) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using MEK1(Phospho-Ser221) Antibody.



Western blot analysis of extracts from HeLa cells, treated with calf intestinal phosphatase (CIP), using MEK1 (Phospho-Ser221) Antibody.

Product Modify

Phospho-Ser221