



MEK1 (Ab-221) Antibody

#21175

Catalog Number: 21175-1, 21175-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q02750

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from Human MEK1 around the phosphorylation site of serine 221 (A-N-S^P-F-V).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

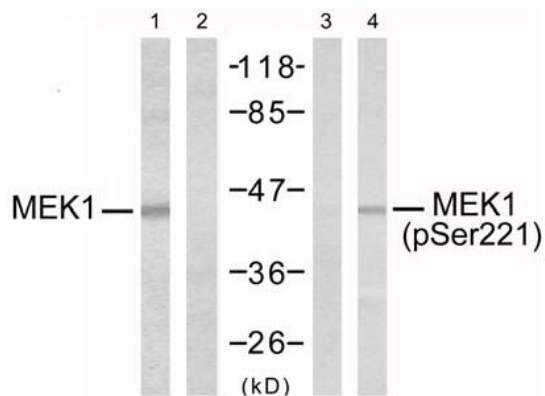
Specificity/Sensitivity: MEK1 (Ab-221) antibody detects endogenous levels of total MEK1 protein

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 45kd

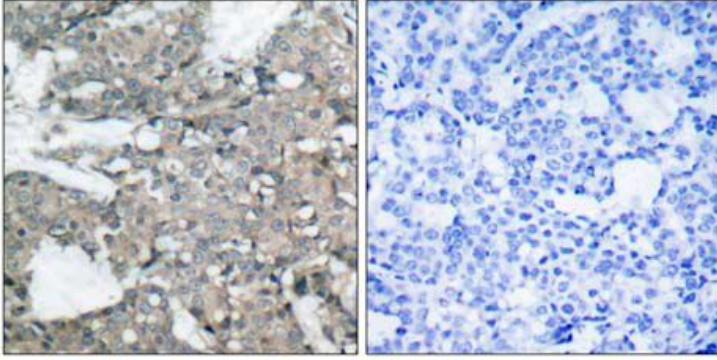
WB: 1:500~1:1000 IHC: 1:50~1:100



UV + + - +

Peptide - + - -

Western blot analysis of extracts from Jurkat cells using MEK1 (Ab-221) antibody (#21175, Lane 1 and 2) and MEK1 (phospho-Ser221) antibody (#11161, Lane 3 and 4).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MEK1 (Ab-221) antibody (#21175).

Background :

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.

References:

- 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.