# MEK1 (Phospho-Ser221) Antibody

#11161

**Catalog Number:** 11161-1, 11161-2

**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℃/1 year

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

**Purification:**The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

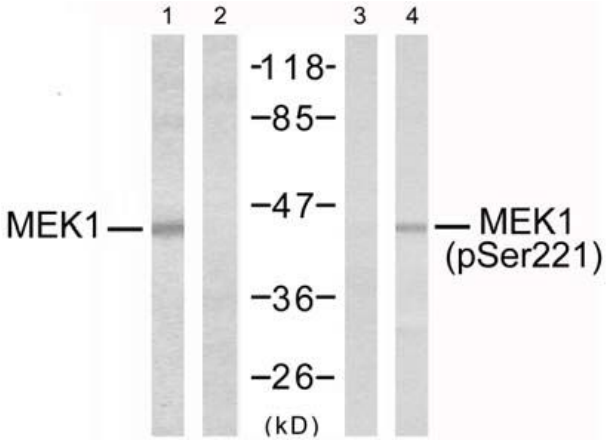
**Specificity/Sensitivity:**MEK1 (phospho-Ser221) antibody detects endogenous levels of MEK1 only when phosphorylated at serine 221

**Reactivity:** Human,Mouse,Rat

**Applications:**

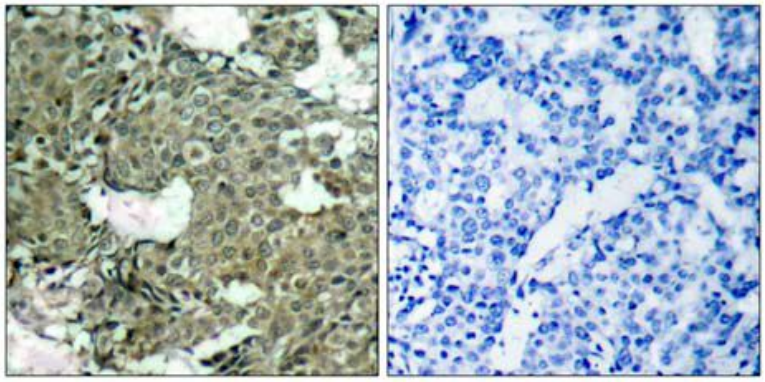
Predicted MW: 45kd

WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:00~1:200

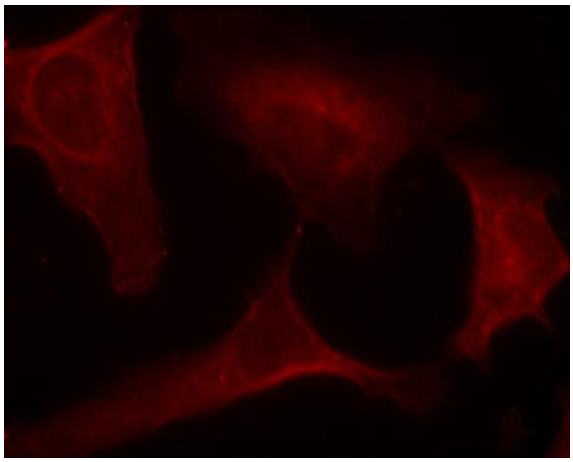



| | | | | |
|---|---|---|---|---|
| UV | + | + | - | + |
| Peptide | - | + | - | - |

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 (phospho-Ser221) antibody (#11161).



Immunofluorescence staining of methanol-fixed HeLa cells using MEK1 (phospho- Ser221)antibody (#11161, Red).

**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.