

## 35-1541: Polyclonal Antibody to MEK1/MEK2 (Ab-217/221)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC,IF
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	MAP2K1
<b>Gene ID :</b>	5604
<b>Uniprot ID :</b>	Q02750
<b>Format :</b>	Purified
<b>Alternative Name :</b>	ERK activator kinase 1/ERK activator kinase2, MAP kinase kinase 1/MAP kinase kinase 2, MAP2K1/MAP2K1, MAPK/ERK kinase 1/MAPK/ERK kinase 2, MAPKK 1/MAPKK 1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.215~219/219~223 (I-D-S-M-A) derived from Human MEK1/MEK2.

### Description

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.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 45kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

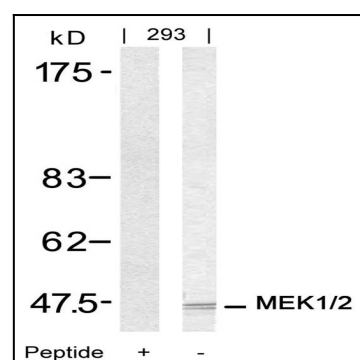


Figure 1: Western blot analysis of extracts from 293 cells using MEK1/MEK2(Ab-217/221) Antibody 35-1541 and the same antibody preincubated with blocking peptide.

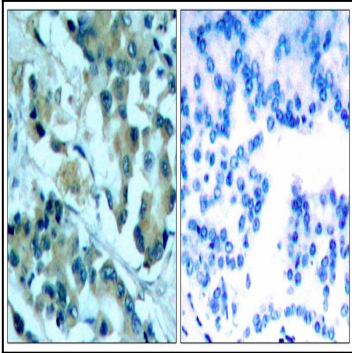


Figure 2: Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using MEK1/MEK2(Ab-217/221) Antibody 35-1541 (left) or the same antibody preincubated with blocking peptide(right).

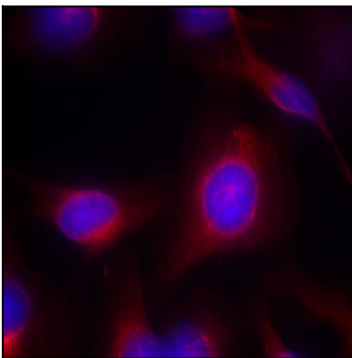


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using MEK1/MEK2(Ab-217/221) Antibody 35-1541 .