

## 35-1168: Polyclonal Antibody to SEK1/MKK4 (Phospho-Ser80)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC,IF
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	MAP2K4
<b>Gene ID :</b>	6416
<b>Uniprot ID :</b>	P45985
<b>Format :</b>	Purified
<b>Alternative Name :</b>	JNKK, JNKK1, MAP2K4, MAPK/ERK kinase 4, MAPKK 4
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of serine 80 (T-H-S(p)-I-E) derived from Human SEK1/MKK4.

### Description

Dual specificity kinase that activates the JUN kinases MAPK8 (JNK1) and MAPK9 (JNK2) as well as MAPK14 (p38) but not MAPK1 (ERK2) or MAPK3 (ERK1).

### 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: 44kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

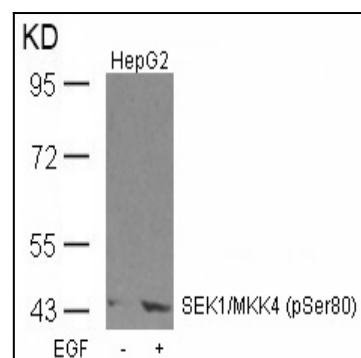


Figure 1: Western blot analysis of extracts from HepG2 cells untreated or treated with EGF using SEK1/MKK4(Phospho-Ser80) Antibody 35-1168 .

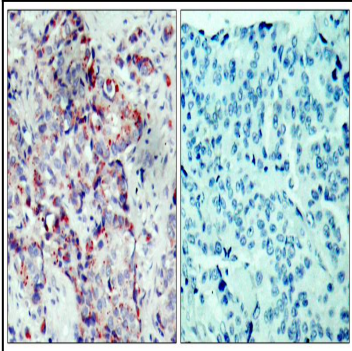


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SEK1/MKK4(Phospho-Ser80) Antibody 35-1168 (left) or the same antibody preincubated with blocking peptide(right).

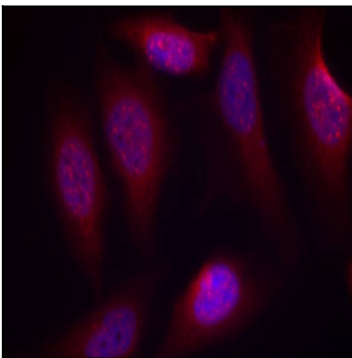


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using SEK1/MKK4(Phospho-Ser80) Antibody 35-1168 .