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35-1139: Polyclonal Antibody to MKK3 (Phospho-Ser189)

Clonality: Polyclonal Application: WB,IHC,IF

Reactivity: Human, Mouse, Rat

Gene: MAP2K3
Gene ID: 5606
Uniprot ID: P46734
Format: Purified

Alternative Name: MAP kinase kinase 3, MAP2K3, MAPK/ERK kinase 3, MAPKK 3, MEK3

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of serine 189 (V-D-S(p)-V-A) derived from

Human MKK3.

Description

Dual specificity kinase. Is activated by cytokines and environmental stress in vivo. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in the MAP kinase p38. Wang W, et al. (2002) Mol Cell Biol; 22(10): 3389-403. Raingeaud J, et al. (1996) Mol Cell Biol; 16(3): 1247-55.

Product Info

Amount : 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition : 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: 40kd, Western blotting: $1:500\sim1:1000$, Immunohistochemistry: $1:50\sim1:100$, Immunofluorescence: $1:100\sim1:200$

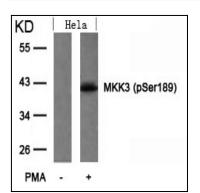


Figure 1: Western blot analysis of extracts from Hela cells untreated or treated with PMA using MKK3(Phospho-Ser189) Antibody 35-1139.



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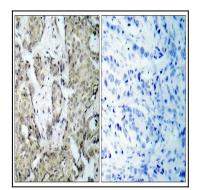


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MKK3(Phospho-Ser189) Antibody 35-1139 (left) or the same antibody preincubated with blocking peptide(right).

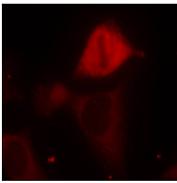


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using MKK3(Phospho-Ser189) Antibody 35-1139 .

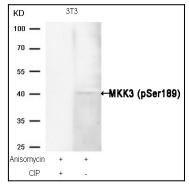


Figure 4: Western blot analysis of extracts from 3T3 cells, treated with Anisomycin or calf intestinal phosphatase (CIP), using MKK3 (Phospho-Ser189) Antibody 35-1139.