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35-1466: Polyclonal Antibody to MKK3 (Ab-189)

Clonality :	Polyclonal
Application :	WB,IHC,IF
Reactivity :	Human,Mouse
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 aa.187~191 (V-D-S-V-A) derived from Human MKK3.

Description

MEK3 belongs to MAPKK family. This kinase is activated by mitogenic and environmental stress, and participates in the MAPK-mediated signaling cascade. It phosphorylates and thus activates p38. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of Ras oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of p38, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. 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: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

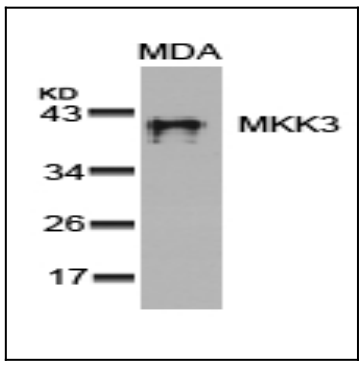

Figure 1: Western blot analysis of extracts from MDA cells using MKK3 (Ab-189) Antibody 35-1466 .

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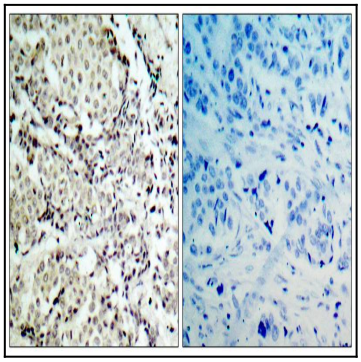

Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MKK3 (Ab-189) Antibody 35-1466 (left) or the same antibody preincubated with blocking peptide(right).

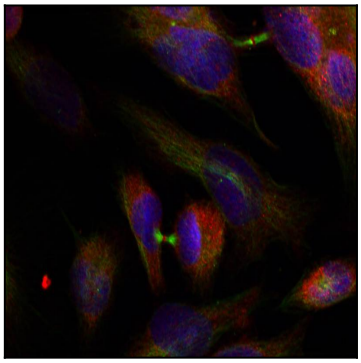

Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using MKK3 (Ab-189) Antibody 35-1466 .

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