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35-1169: Polyclonal Antibody to ASK1 (Phospho-Ser83)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human
Gene :	MAP3K5
Gene ID :	4217
Uniprot ID :	Q99683
Format :	Purified
Alternative Name :	ASK-1, M3K5, MAP3K5, MAPK/ERK kinase kinase 5, MAPKKK5
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of serine 83 (G-S-S(p)-V-G) derived from Human ASK1.

Description

Component of a protein kinase signal transduction cascade. Phosphorylates and activates MAP2K4 and MAP2K6, which in turn activate the JNK and p38 MAP kinases, respectively. Overexpression induces apoptotic cell death. Mabuchi S, et al. (2004) Endocrinology. 145(1): 49-58. Yuan ZQ, et al. (2003) J Biol Chem. 278(26): 23432-23440. Kim AH, et al. (2001) Mol Cell Biol. 21(3): 893-901.

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: 155kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

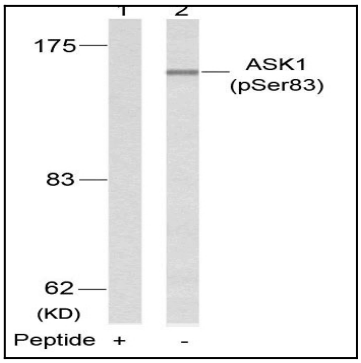

Figure 1: Western blot analysis of extracts from K562 cells using ASK1(Phospho-Ser83) Antibody 35-1169 (Lane 2) and the same antibody preincubated with blocking peptide(Lane1).

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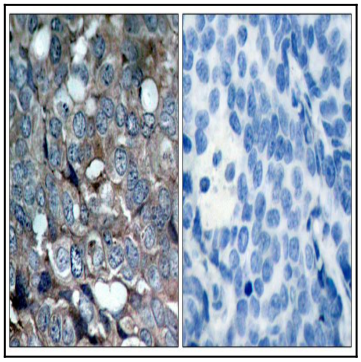

Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ASK1(Phospho-Ser83) Antibody 35-1169 (left) or the same antibody preincubated with blocking peptide(right).

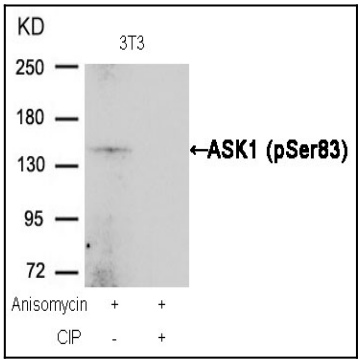

Figure 3: Western blot analysis of extracts from 3T3 cells, treated with Anisomycin or calf intestinal phosphatase (CIP), using ASK1 (Phospho-Ser83) Antibody 35-1169 .