ASK1 (Phospho-Ser83) Antibody

#11178

Catalog Number: 11178-1, 11178-2

Amount: 50 μg/50 μl, 100 μg/100 μl

Swiss-Prot No. : Q99683

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: Peptide sequence around phosphorylation site of serine 83 (G-S-S(p)-V-G) derived from Human ASK1.

Purification: The antibody was affinity-purified from rabbit antiserum by epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

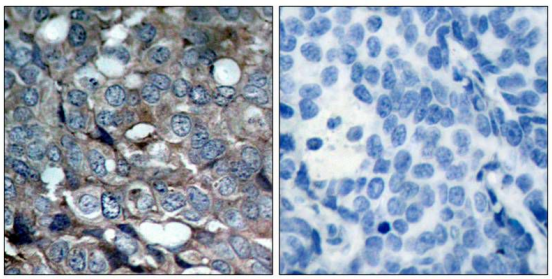
Specificity/Sensitivity: ASK1 (phospho-Ser83) antibody detects endogenous levels of ASK1 only when phosphorylated at serine 83.

Reactivity: Human

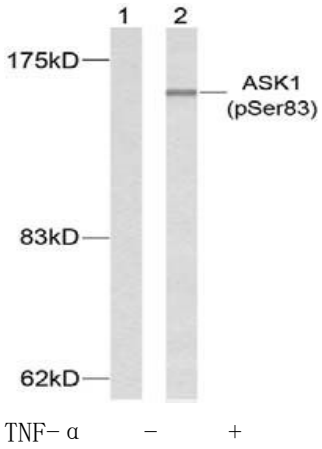
Applications:

Predicted MW: 155kd

WB: 1:500~1:1000 IHC: 1:50-1:100



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ASK1(Phospho-Ser83) Antibody #11178(left) or the same antibody preincubated with blocking peptide(right).



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Western blot analysis of extracts from K562 cells using ASK1 (phospho-Ser83) antibody (#11178)

Background

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

References：

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.