



ASK1 (Ab-83) Antibody

#21125

Catalog Number: 21125-1, 21125-2

Amount: 50 μ g/50 μ l, 100 μ g/100 μ l

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°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human ASK1 around the phosphorylation site of serine 83 (G-S-P-V-G).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

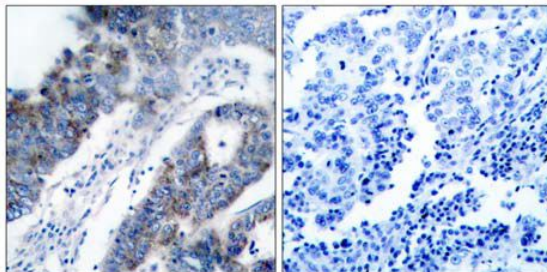
Specificity/Sensitivity: ASK1 (Ab-83) antibody detects endogenous levels of ASK1 protein around serine 83.

Reactivity: Human

Applications:

Predicted MW: 155kd

WB: 1:500~1:1000 IHC: 1:50-1:100 IF:1:100~1:200

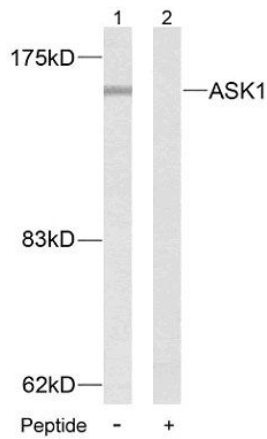


Peptide

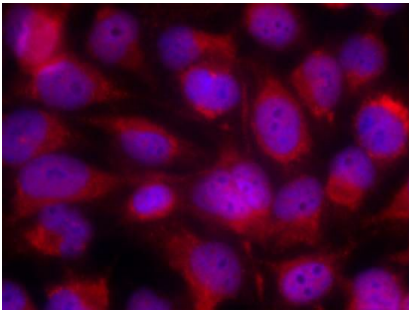
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Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue, using ASK1 (Ab-83) antibody (#21125).



Western blot analysis of extract from MDA-MB- 435 cells, using ASK1 (Ab-83) antibody (#21125).



Immunofluorescence staining of methanol-fixed HeLa cells using ASK1 (Ab-83) antibody (#21125, Red).

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.