



## ASK1 (Ab-966) Antibody

#21134

**Catalog Number:** 21134-1, 21134-2

**Amount:** 50  $\mu$ g/50  $\mu$ l, 100  $\mu$ g/100  $\mu$ l

**Swiss-Prot No. :** Q99683

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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 966 (S-I-S<sub>P</sub>-L-P).

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

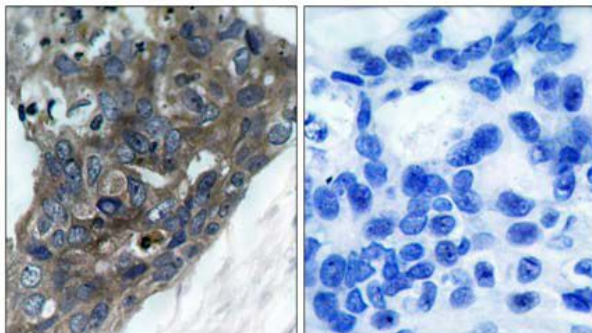
**Specificity/Sensitivity:** ASK1 (Ab-966) antibody detects endogenous levels of total ASK1 protein.

**Reactivity:** Human, Mouse

### Applications:

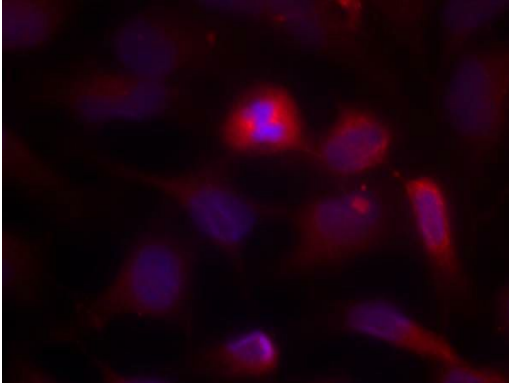
Predicted MW: 155kd

IHC: 1:50-1:100 IF:1:100~1:200



Peptide - +

Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue, using ASK1 (Ab-966) antibody (#21134).



Immunofluorescence staining of methanol-fixed HeLa cells using ASK1 (Ab-966) antibody (#21134, 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:

- Zhang W, et al. (2005) J Biol Chem. 280(19): 19036-19044.
- Fujii K, et al. (2004) Oncogene. 23(29):5099-5104.
- Goldman EH, et al. (2004) J Biol Chem 2004 Mar 12; 279(11): 10442-10449.
- Zhang L, et al. (1999) Proc Natl Acad Sci U S A. 96(15): 8511-8515