



## SAPK/JNK (Ab-183) Antibody

#21241

**Catalog Number:** 21241-1, 21241-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :** P45984; P53779

**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 non-phosphopeptide derived from Human SAPK/JNK around the phosphorylation site of threonine 183 (M-M-T<sub>P</sub>-P-Y).

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

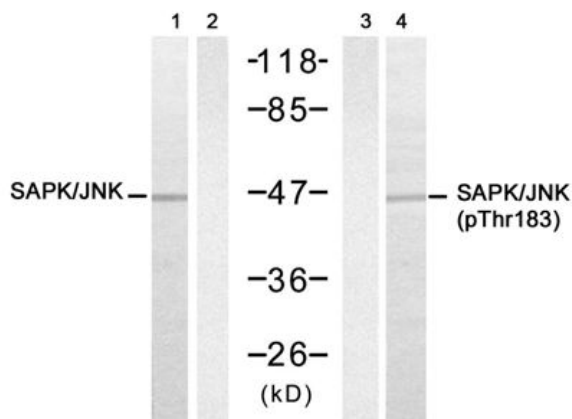
**Specificity/Sensitivity:** SAPK/JNK (Ab-183) Antibody detects endogenous levels of total SAPK/JNK protein.

**Reactivity:** Human, Mouse, Rat

**Applications:**

Predicted MW: 46 54kd

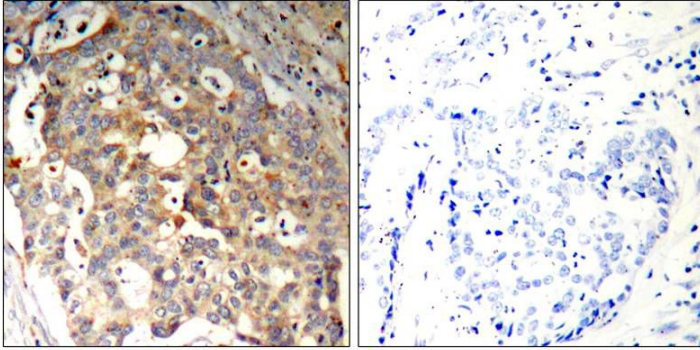
WB: 1:500~1:1000 IHC: 1:50~1:100



UV - - - +

Peptide - + - -

Western blot analysis of extracts from 293 cell using SAPK/JNK (Ab-183) Antibody (#21241, Lane 1, 2) and SAPK/JNK (phospho-Thr183) antibody (#11249, Lane3, 4).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SAPK/JNK (Ab-183) Antibody (#21241).

**Background :**

Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells.

**References:**

- I. Ferrer, et al. (2003) *Neuropathology & Applied Neurobiology* 29: 23
- Zhonghong Guan, et al. (1999) *J Biol Chem*, Vol. 274: 36200-36206
- D.Margriet Ouwens<sup>1</sup>, et al. (2002) *The EMBO Journal* 21: 3782–3793,
- S Matsuyoshi<sup>1</sup>, et al. (2006) *British Journal of Cancer* 94: 532