



SAPK/JNK (Phospho-Thr183) Antibody

#11249

Catalog Number: 11249-1, 11249-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : P45984; P53779

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 SAPK/JNK around the phosphorylation site of threonine 183 (M-M-T_P-P-Y).

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

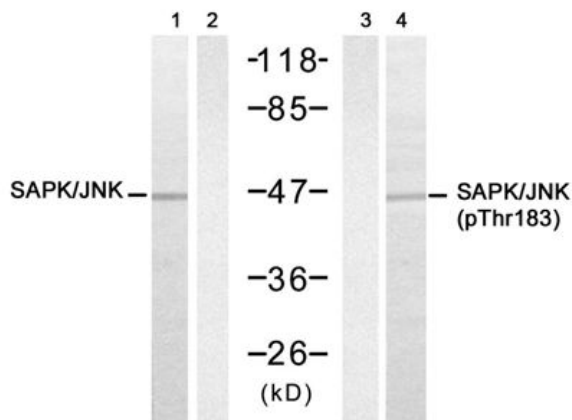
Specificity/Sensitivity: SAPK/JNK (phospho-Thr183) antibody detects endogenous levels of SAPK/JNK only when phosphorylated at threonine 183.

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 46 54kd

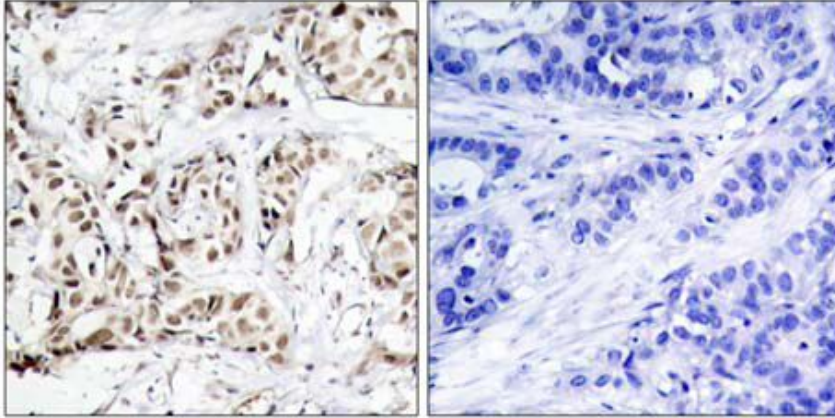
WB: 1:500~1:1000 IHC: 1:50~1:100



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(phospho-Thr183) antibody (#11249).

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 Ouwens1, et al. (2002)*The EMBO Journal* 21: 3782–3793,
- S Matsuyoshi1, et al. (2006) *British Journal of Cancer* 94: 532