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35-1231: Polyclonal Antibody to SAPK/JNK (Phospho-Thr183)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human,Mouse,Rat
Gene :	MAPK9
Gene ID :	5601
Uniprot ID :	P45984/P53779
Format :	Purified
Alternative Name :	JNK2
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of threonine 183 (M-M-T(p)-P-Y) derived from Human SAPK/JNK.

Description

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. 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

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 46 54 kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

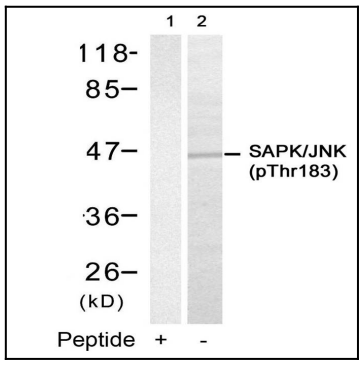

Figure 1: Western blot analysis of extracts from 293 cells using SAPK/JNK(Phospho-Thr183) Antibody 35-1231 (Lane 2) and the same antibody preincubated with blocking peptide(Lane1).

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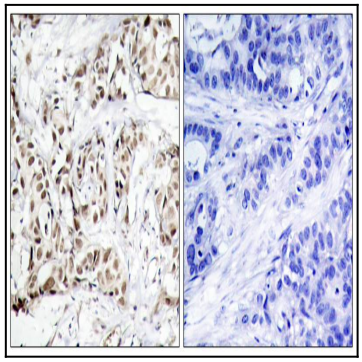

Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SAPK/JNK(Phospho-Thr183) Antibody 35-1231 (left) or the same antibody preincubated with blocking peptide(right).

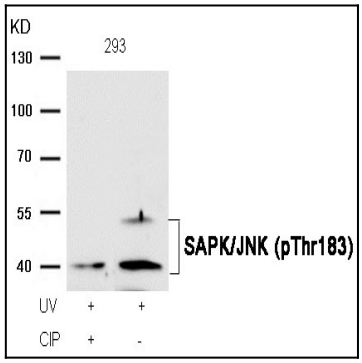

Figure 3: Western blot analysis of extracts from 293 cells, treated with UV or calf intestinal phosphatase (CIP), using SAPK/JNK (Phospho-Thr183) Antibody 35-1231 .