

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

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	MAPK9
<b>Gene ID :</b>	5601
<b>Uniprot ID :</b>	P45984/P53779
<b>Format :</b>	Purified
<b>Alternative Name :</b>	JNK2
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL 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.
<b>Storage condition :</b>	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

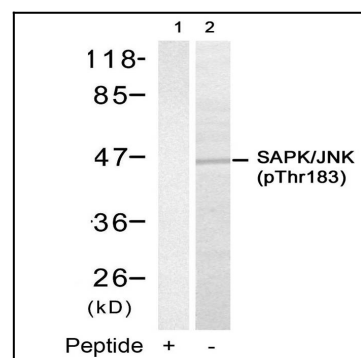


Figure 1: Western blot analysis of extracts from 293 cells using SAPK/JNK(Phospho-Thr183) Antibody 35-1231 (Lane 2) and the same antibody preincubated with blocking peptide(Lane1).

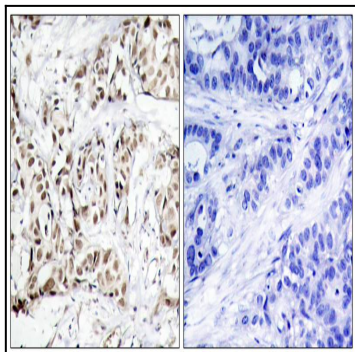


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SAPK/JNK(Phospho-Thr183) Antibody 35-1231 (left) or the same antibody preincubated with blocking peptide(right).

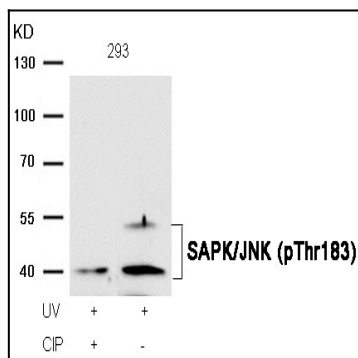


Figure 3: Western blot analysis of extracts from 293 cells, treated with UV or calf intestinal phosphatase (CIP), using SAPK/JNK (Phospho-Thr183) Antibody 35-1231 .