

SAPK/JNK(Phospho-Thr183) Antibody

Catalog No: #11249



Package Size: #11249-1 50ul #11249-2 100ul #11249-4 25ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	SAPK/JNK(Phospho-Thr183) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of SAPK/JNK only when phosphorylated at threonine 183.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 183 (M-M-T(p)-P-Y) derived from Human SAPK/JNK.
Target Name	SAPK/JNK
Modification	Phospho-Thr183
Other Names	JNK2
Accession No.	Swiss-Prot: P45984/P53779 NCBI Protein: NP_001128516.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

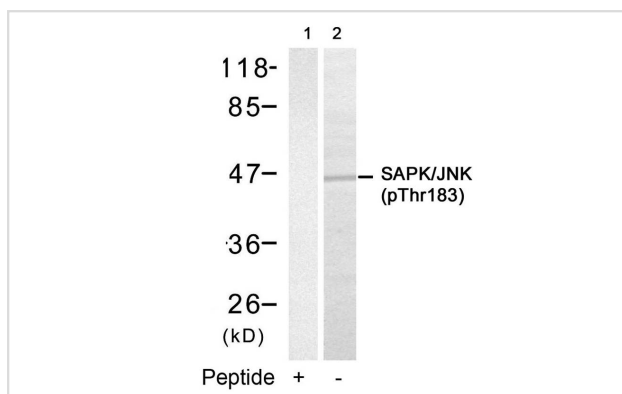
Application Details

Predicted MW: 46 54 kd

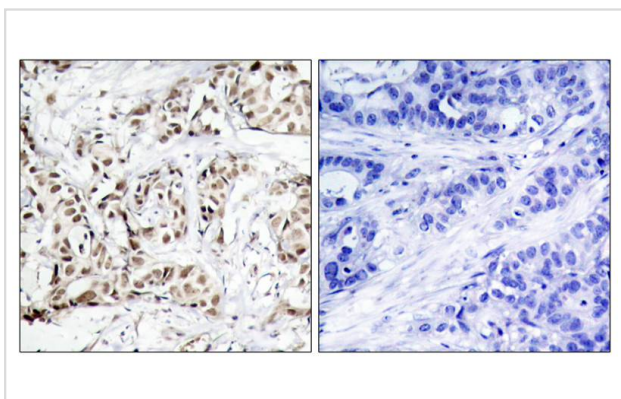
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

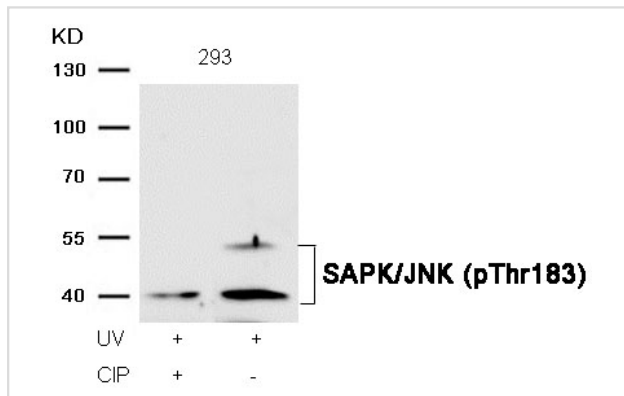
Images



Western blot analysis of extracts from 293 cells using SAPK/JNK(Phospho-Thr183) Antibody #11249(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SAPK/JNK(Phospho-Thr183) Antibody #11249(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from 293 cells, treated with UV or calf intestinal phosphatase (CIP), 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.

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

Published Papers

Peng Jiao, Yun-Sheng Zhou, Juan-Xia Yang et al., MK-2206 induces cell cycle arrest and apoptosis in HepG2 cells and sensitizes TRAIL-mediated cell death, *Mol Cell Biochem*, 382(1-2):217-24(2013)

[PMID:23797319](https://pubmed.ncbi.nlm.nih.gov/23797319/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.