

SAPK/JNK Antibody

Catalog No: #21241



Package Size: #21241-1 50ul #21241-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	SAPK/JNK Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total SAPK/JNK protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.181~185 (M-M-T-P-Y) derived from Human SAPK/JNK.
Conjugates	Unconjugated
Target Name	SAPK/JNK
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.

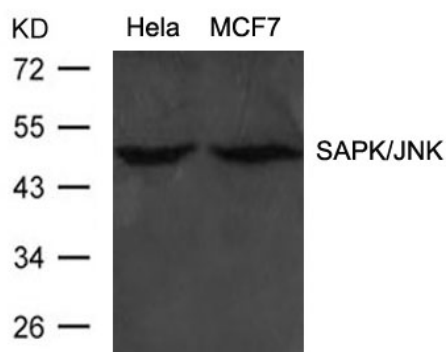
Application Details

Predicted MW: 46 54 kd

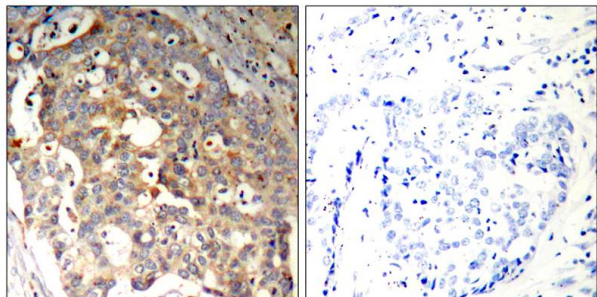
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HeLa and MCF cells using SAPK/JNK(Ab-183) Antibody #21241.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SAPK/JNK(Ab-183) Antibody #21241(left) or the same antibody preincubated with blocking peptide(right).

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

Anastasia F. Thirumangalakudi, Chatil L. Zony, Brian J. Bahnson et al., Activation by phosphorylation and purification of human c-Jun N-terminal kinase (JNK) isoforms in milligram amounts., Protein Expression and Purification, 75: 138-146(2011)

[PMID:20709173](#)

et al., Astragaloside IV Inhibits Isoprenaline-induced Cardiac Fibrosis by Targeting the Reactive Oxygen Species/Mitogen-activated Protein Kinase Signaling Axis. In Mol Med Rep on 2017 Apr by Hongliang Dai, Guizhi Jia, et al.. PMID:28260010, (2017)

[PMID:28260010](#)

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