

## Anti-Phospho-SAPK/JNK (Thr183) MAPK9 Antibody

Catalog Number: P02706

### About MAPK9

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 Ouwers1, et al. (2002)The EMBO Journal 21: 3782

### Overview

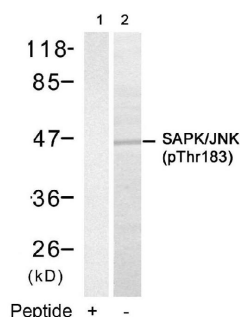
Product Name	Anti-Phospho-SAPK/JNK (Thr183) MAPK9 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-SAPK/JNK (Thr183) MAPK9 Antibody (Catalog # P02706). Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	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.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P45984

### Technical Details

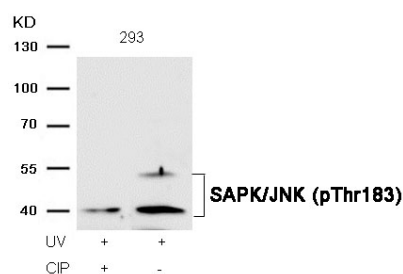
Immunogen	Peptide sequence around phosphorylation site of threonine 183 (M-M-T(p)-P-Y) derived from Human SAPK/JNK.
Predicted Reactive Species	Bovine, Chicken, Xenopus Laevis, Xenopus Tropicalis, Zebrafish
Form	Liquid
Concentration	1 mg/ml
Purification	Antibodies were produced by immunizing rabbits with 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.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Predicted MW: 46 54 kd</p> <p>Western blotting: 1:500~1:1000</p> <p>Immunohistochemistry: 1:50~1:100</p>

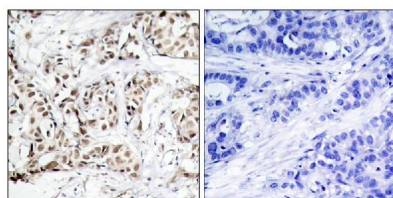
## Anti-Phospho-SAPK/JNK (Thr183) MAPK9 Antibody (P02706) Images



Western blot analysis of extracts from 293 cells using SAPK/JNK(Phospho-Thr183) antibody P02706 (Lane 2) and the same antibody preincubated with blocking peptide (Lane 1).



Western blot analysis of extracts from 293 cells, treated with UV or calf intestinal phosphatase (CIP), using SAPK/JNK (Phospho-Thr183) antibody P02706.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SAPK/JNK(Phospho-Thr183) antibody P02706 (left) or the same antibody preincubated with blocking peptide (right).

## 5 Publications Citing This Product

1. PubMed ID: 32794226, Ma G, Kimatu BM, Yang W, Pei F, Zhao L, Du H, Su A, Hu Q, Xiao H. Preparation of newly identified polysaccharide from *Pleurotus eryngii* and its anti-inflammation activities potential. *J Food Sci.* 2020 Sep; 85(9):2822-2831. doi:10.1111/1750-3841.15375. Epub 2020 Aug 14
2. PubMed ID: 31566725, Ji F, Wang Y, Yuan J, Wu Q, Wang J, Liu D. The potential role of stromal cell-derived factor-1alpha/CXCR4/CXCR7 axis in adipose-derived mesenchymal stem cells. *J Cell Physiol.* 2020 Apr; 235(4):3548-3557. doi:10.1002/jcp.29243. Epub 2019 Sep 30. PMID: 31566725.
3. PubMed ID: 28676833, Li Y, He S, Tang J, Ding N, Chu X, Cheng L, Ding X, Liang T, Feng S, Rahman SU, Wang X, Wu J. Andrographolide Inhibits Inflammatory Cytokines Secretion in LPS-Stimulated RAW264.7 Cells through Suppression of NF-kappaB/MAPK Signaling Pathway

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