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antibody and ELISA experts

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# 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 Ouwens1, 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 Mg2+ and Ca2+), 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

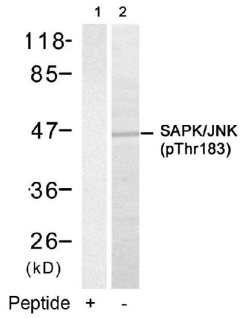
| | |
|---|---|
| Immunogen | Peptide sequence around phosphorylation site of threonine 183 (M-M-T(p)-P-Y) derived from Human SAPK/JNK. |
| Predicted Reactive Species | Bovine, Chicken, Xenopus Laevis, Xenopus Tropicalis, Zebrafish |
| Form | Liquid |
| Concentration | 1 mg/ml |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific |

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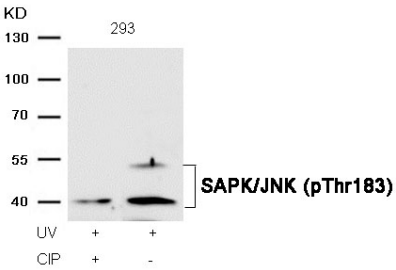
| | |
|---|---|
| | phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide. |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.<br>Some PubMed article(s) citing the expression level of this target are as follows:<br>Boster Bio's internal QC testing used:<br>Predicted MW: 46 54 kd<br>Western blotting: 1:500~1:1000<br>Immunohistochemistry: 1:50~1:100 |

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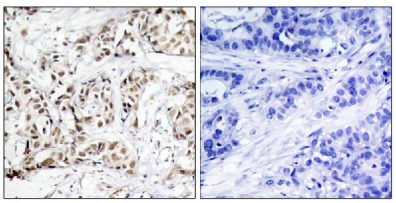
# Anti-Phospho-SAPK/JNK (Thr183) MAPK9 Antibody (P02706) Images




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(Lane1).




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

Visit bosterbio.com/anti-phospho-sapk-jnk-thr183-antibody-p02706-boster.html to see all 5 publications.

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