

## Anti-JNK2/MAPK9 Antibody Picoband®

Catalog Number: RP1077

### About MAPK9

JNK2 is also known as MAPK9. The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. Also, this gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.

### Overview

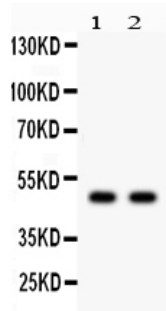
Product Name	Anti-JNK2/MAPK9 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-JNK2/MAPK9 Antibody catalog # RP1077. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P45984

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human JNK2, identical to the related mouse and rat sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

## Anti-JNK2/MAPK9 Antibody Picoband® (RP1077) Images



Anti-JNK2 antibody, RP1077, Western blotting  
All lanes: Anti JNK2 (RP1077) at 0.5ug/ml  
Lane 1: HELA Whole Cell Lysate at 40ug  
Lane 2: COLO320 Whole Cell Lysate at 40ug  
Predicted bind size: 48KD  
Observed bind size: 48KD

## 2 Publications Citing This Product

1. PubMed ID: 29393346, Wang P, Mao Z, Pan Q, Lu R, Huang X, Shang X, Zhang R, You H. Int J Mol Med. 2018 Apr;41(4):2117-2127. doi: 10.3892/ijmm.2018.3410. Epub 2018 Jan 22. Histone deacetylase-4 and histone deacetylase-8 regulate interleukin-1beta-induced cartilage catabol...

2. PubMed ID: 27293989, Recombinant Newcastle disease virus (rL-RVG) triggers autophagy and apoptosis in gastric carcinoma cells by inducing ER stress

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