

Anti-JNK2/MAPK9 Antibody

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

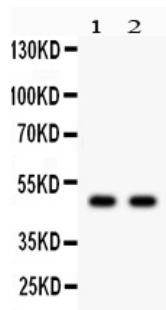
Product Name	Anti-JNK2/MAPK9 Antibody
Reactive Species	Human
Description	Boster Bio Anti-JNK2/MAPK9 Antibody catalog # RP1077. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.
Predicted Reactive Species	Chicken
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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human

Anti-JNK2/MAPK9 Antibody (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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