BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-MAP4K1/HPK1 Antibody Picoband®

Catalog Number: A07909-2

About Map4k1

Mitogen-activated protein kinase kinase kinase kinase 1 is a protein kinase that in humans is encoded by the MAP4K1 gene. It is also known as HPK1 (Hematopoietic Progenitor Kinase 1). The protein has been shown to play a role in JNK activation.

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Overview

Product Name	Anti-MAP4K1/HPK1 Antibody Picoband®
Reactive Species	Rat
Description	Boster Bio Anti-MAP4K1/HPK1 Antibody Picoband® catalog # A07909-2. Tested in WB applications. This antibody reacts with Rat. 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 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
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	D3Z8I4

Technical Details

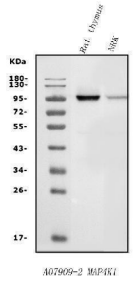
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of rat MAP4K1/HPK1, which shares 88.2% and 100% amino acid (aa) sequence identity with human and mouse MAP4K1/HPK1, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

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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, 0.25-0.5ug/ml, Rat

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Anti-MAP4K1/HPK1 Antibody Picoband® (A07909-2) Images



Western blot analysis of MAP4K1/HPK1 using anti-MAP4K1/HPK1 antibody (A07909-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat thymus tissue lysates, Lane 2: rat NRK whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MAP4K1/HPK1 antigen affinity purified polyclonal antibody (Catalog # A07909-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for MAP4K1/HPK1 at approximately 97KD. The expected band size for MAP4K1/HPK1 is at 97KD.

Anti-MAP4K1/HPK1 Antibody

For Research Use Only. Not for use in diagnostic procedures.