BOSTER BIOLOGICAL TECHNOLOGY
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Anti-IKK beta/IKBKB Antibody Picoband®

Catalog Number: PA2036-1

About IKBKB

IKBKB (Inhibitor of Kappa Light Chain Gene Enhancer in B Cells, Kinase of, Beta), also known as IKKB or NFKBIKB , is a protein that in humans is encoded by the IKBKB gene. Shindo et al. (1998) mapped the IKBKB gene to chromosome 8p12-p11 by FISH. Mercurio et al. (1997) found that mutations in IKK2 had a more pronounced effect upon NFKB activation than did comparable mutations in IKK1. Yin et al. (1998) tested the activity of various antiinflammatory agents on the IKK complex. They demonstrated that aspirin and sodium salicylate specifically inhibit IKK-beta activity in vitro and in vivo by binding to IKK-beta to reduce ATP binding.

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Overview

Product Name	Anti-IKK beta/IKBKB Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-IKK beta/IKBKB Antibody catalog # PA2036-1. Tested in WB applications. This antibody reacts with Human, Mouse, 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 antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	O14920

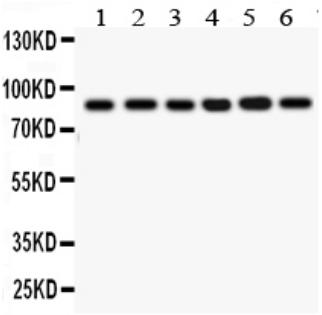
Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human IKK beta, identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
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, Rat, Mouse

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Anti-IKK beta/IKBKB Antibody Picoband® (PA2036-1) Images



Anti-IKBKB antibody, PA2036-1, Western blottingAll lanes: Anti IKBKB (PA2036-1) at 0.5ug/mlLane 1: Rat Cardiac Muscle Tissue Lysate at 50ugLane 2: Rat Skeletal Muscle Tissue Lysate at 50ugLane 3: PANC Whole Cell Lysate at 40ugLane 4: MCF-7Whole Cell Lysate at 40ugLane 5: HEPG2 Whole Cell Lysate at 40ugLane 6: COLO320 Cell Lysate at 40ugPredicted bind size: 87KDObserved bind size: 87KD

3 Publications Citing This Product

1. PubMed ID: 10.3390/antiox10020176, Gastro-Protective Effects of Albizia anthelmintica Leaf Extract on Indomethacin-Induced Gastric Ulcer in Wistar Rats: In Silico and In Vivo Studies

2. PubMed ID: 10.1016/j.ejphar.2020.173136, Prolonged overnutrition with fructose or fat induces metabolic derangements in rats by disrupting the crosstalk between the hypothalamus and periphery: Possible amelioration with fenofibrate

3. PubMed ID: 33530540, Nabil M, El Raey MA, Abdo W, Abdelfattah MAO, El-Shazly AM, Sobeh M, Mahmoud MF. Gastro-Protective Effects of Albizia anthelmintica Leaf Extract on Indomethacin-Induced Gastric Ulcer in Wistar Rats: In Silico and In Vivo Studies. Antioxidants (Basel). 202

Visit bosterbio.com/anti-ikk-beta-antibody-pa2036-1-boster.html to see all 3 publications.

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