

Anti-IKK beta/IKBKB Antibody

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 NFKB1KB, 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.

Overview

Product Name	Anti-IKK beta/IKBKB Antibody
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.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg 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	O14920

Technical Details

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.
Predicted Reactive Species	Hamster
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, Rat, Mouse

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



Anti-IKBKB antibody, PA2036-1, Western blotting
All lanes: Anti IKBKB (PA2036-1) at 0.5ug/ml
Lane 1: Rat Cardiac Muscle Tissue Lysate at 50ug
Lane 2: Rat Skeletal Muscle Tissue Lysate at 50ug
Lane 3: PANC Whole Cell Lysate at 40ug
Lane 4: MCF-7 Whole Cell Lysate at 40ug
Lane 5: HEPG2 Whole Cell Lysate at 40ug
Lane 6: COLO320 Cell Lysate at 40ug
Predicted bind size: 87KD
Observed 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

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