

Anti-NFkB/NFKB1 p105/p50 Antibody Picoband®

Catalog Number: PA2111-1

About NFKB1

Nuclear factor NF-kappa-B p105 subunit, also called EBP-1 is a protein that in humans is encoded by the NFKB1 gene. By fluorescence in situ hybridization, the gene was assigned to human chromosome 4q24. NF-kappa-B is a pleiotropic transcription factor present in almost all cell types and is the endpoint of a series of signal transduction events that are initiated by a vast array of stimuli related to many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NFKB1 appears to have dual functions such as cytoplasmic retention of attached NF-kappa-B proteins by p105 and generation of p50 by a cotranslational processing.

Overview

Product Name	Anti-NFkB/NFKB1 p105/p50 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NFkB/NFKB1 p105/p50 Antibody catalog # PA2111-1. 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 Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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	P19838

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human NFkB/NFKB1 p105/p50, different from the related rat sequence by one amino acid and from the related mouse sequence by two amino acids.
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, Mouse, Rat

Anti-NFkB/NFKB1 p105/p50 Antibody Picoband® (PA2111-1) Images



Anti-NFkB p105/p50 antibody, PA2111-1, Western blotting All lanes: Anti NFkB p105/p50(PA2111-1) at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: JURKAT Whole Cell Lysate at 40ug Predicted bind size: 105KD Observed bind size: 105KD

12 Publications Citing This Product

1. PubMed ID: 27413418, Hydrogen Sulfide Mitigates Kidney Injury in High Fat Diet-Induced Obese Mice
2. PubMed ID: 25269519, Liu Mw, Wang Yh, Qian Cy, Li H. Int J Mol Med. 2014 Dec;34(6):1492-504. Doi: 10.3892/Ijmm.2014.1943. Epub 2014 Sep 23. Xuebijing Exerts Protective Effects On Lung Permeability Leakage And Lung Injury By Upregulating Toll-Interacting Protein Express...
3. PubMed ID: 20103064, Li Y, Chen Y, Zhang J, Zhu Jf, Liu Zj, Liang Sy, Sun K, Liao Wy, Gong Jp. Am J Surg. 2010 Jan;199(1):35-42. Doi: 10.1016/J.Amsurg.2008.11.039. Protective Effect Of Glutamine-Enriched Early Enteral Nutrition On Intestinal Mucosal Barrier Injury Af...

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