

Anti-NFkB-p105 (Ab-927) NFKB1 Antibody

Catalog Number: A00283-1

About NFKB1

NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and NFKB2/p52. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively.

Hou S, et al. (2003) J Biol Chem. 278(46): 45994-45998.

Baeuerle P A, et al. (1994) Annu Rev Immunol. 12:141-179.

Baeuerle P A, et al. (1996) Cell 87:13-20.

Haskill S, et al. (1991) Cell 65:1281-1289.

Overview

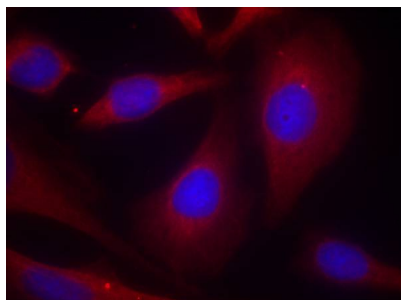
Product Name	Anti-NFkB-p105 (Ab-927) NFKB1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NFkB-p105 (Ab-927) NFKB1 Antibody (Catalog # A00283-1). Tested in WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, WB
Clonality	Polyclonal
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P19838

Technical Details

Immunogen	Peptide sequence around aa.925~929 (C-D-S-G-V) derived from Human NFkB-p105.
Predicted Reactive Species	Bovine, Canine, Pig, Rabbit
Isotype	IgG

Form	Liquid
Concentration	1 mg/ml
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Predicted MW: 120 kd</p> <p>Western blotting: 1:500~1:1000</p> <p>Immunofluorescence: 1:100~1:200</p>

Anti-NFkB-p105 (Ab-927) NFKB1 Antibody (A00283-1) Images



Immunofluorescence staining of methanol-fixed HeLa cells using NFkB-p105(Ab-927) Antibody #A00283-1.

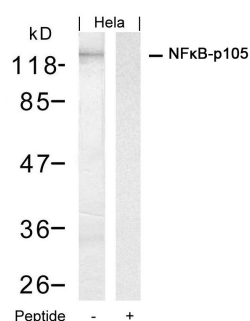


Figure 2. Western blot analysis of NFKB1 using anti-NFKB1 antibody (A00283-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, 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-NFKB1 antigen affinity purified polyclonal antibody (Catalog # A00283-1) 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 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # SA1022) with Tanon 5200 system. A specific band was detected for NFKB1.

4 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: 25287011, Xu M, Wang Kn, Wu K, Wang Xp. Gut Liver. 2015 May 23;9(3):411-6. Doi: 10.5009/Gnl14050. Pyrrolidine Dithiocarbamate Inhibits Nuclear Factor ??b And Toll-Like Receptor 4 Expression In Rats With Acute Necrotizing Pancreatitis.

Visit bosterbio.com/anti-nfkb-p105-ab-927-antibody-a00283-1-boster.html to see all 4 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

