

## Anti-NFkB/NFKB2 p100/p52 Antibody Picoband®

Catalog Number: PA1946

### About Nfkb2

NFKB2 (Nuclear Factor Kappa-B, Subunit 2), also known as NFKB or p52/p100 SUBUNIT, is a protein that in humans is encoded by the NFKB2 gene. Liptay et al. (1992) mapped the gene for what they called the p49/p100 subunit of NFKB (NFKB2) to chromosome 10 by Southern blot analysis of panels of human/Chinese hamster cell hybrids. By fluorescence in situ hybridization (FISH), they confirmed the localization and mapped the gene with greater resolution to 10q24. NFKB2 appears to be the same as LYT10. Claudio et al. (2002) showed that bone marrow (BM) cells from Nfkb2-deficient mice, but not Nfkb1-deficient mice, failed to increase relative and total IgD-positive transitional-1 (T1) stage B cells in response to Baff. In vivo, however, Nfkb2-deficient mice did generate mature B cells, but at reduced numbers. Mice of the aly/aly strain, which are naturally deficient in Nik, and mice of the A/WySNJ strain, which have a mutation in Baffr, also failed to produce T1 B cells in response to Baff. Baff stimulation enhanced expression of Bcl2 in T1 B cells, thereby promoting B-cell survival, and caused the processing of the p100 form of Nfkb2 to p52, which again required Baffr and Nik, but not Nemo (IKKG). Immunoblot analysis showed that BM cells contained primarily p100.

### Overview

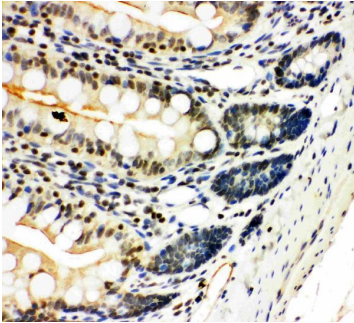
Product Name	Anti-NFkB/NFKB2 p100/p52 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-NFkB/NFKB2 p100/p52 Antibody catalog # PA1946. Tested in IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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	IHC, 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	Q9WTK5

### Technical Details

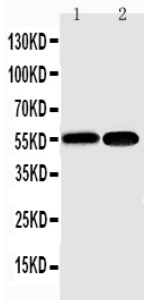
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse NFkB/NFKB2 p100/p52, identical to the related rat sequence.
-----------	--

Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Rat, Mouse Western blot, 0.1-0.5ug/ml, Mouse, Rat

## Anti-NFkB/NFKB2 p100/p52 Antibody Picoband® (PA1946) Images



Anti-NFkB p100/p52 antibody, PA1946, IHC(P)IHC(P): Rat Intestine Tissue



Anti-NFkB p100/p52 antibody, PA1946, Western blotting Lane 1: Mouse Liver Tissue Lysate Lane 2: HEPA Cell Lysate

## 23 Publications Citing This Product

1. PubMed ID: 27413418, Hydrogen Sulfide Mitigates Kidney Injury in High Fat Diet-Induced Obese Mice
2. PubMed ID: 25571852, Liu Mw, Su Mx, Zhang W, Wang Yh, Qin Lf, Liu X, Tian MI, Qian Cy. Mol Med Rep. 2015 May;11(5):3308-16. Doi: 10.3892/Mmr.2015.3146. Epub 2015 Jan 7. Effect Of Melilotus Suaveolens Extract On Pulmonary Microvascular Permeability By Downregulating Va...
3. PubMed ID: 27082984, Ursolic acid protects against ulcerative colitis via anti-inflammatory and antioxidant effects in mice

Visit [bosterbio.com/anti-nfkb-p100-p52-antibody-pa1946-boster.html](http://bosterbio.com/anti-nfkb-p100-p52-antibody-pa1946-boster.html) to see all 23 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.



Anti-NFkB/NFKB2 p100/p52 Antibody

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