Product datasheet

Anti-NFkB/NFKB2 p100/p52 Antibody

Catalog Number: *BA1872-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-NFkB/NFKB2 p100/p52 Antibody
Gene Name	NFKB2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human NFkB/NFKB2 p100/p52.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	52 kDa(activeform)/120 kDa(precursor)
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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.

Reference

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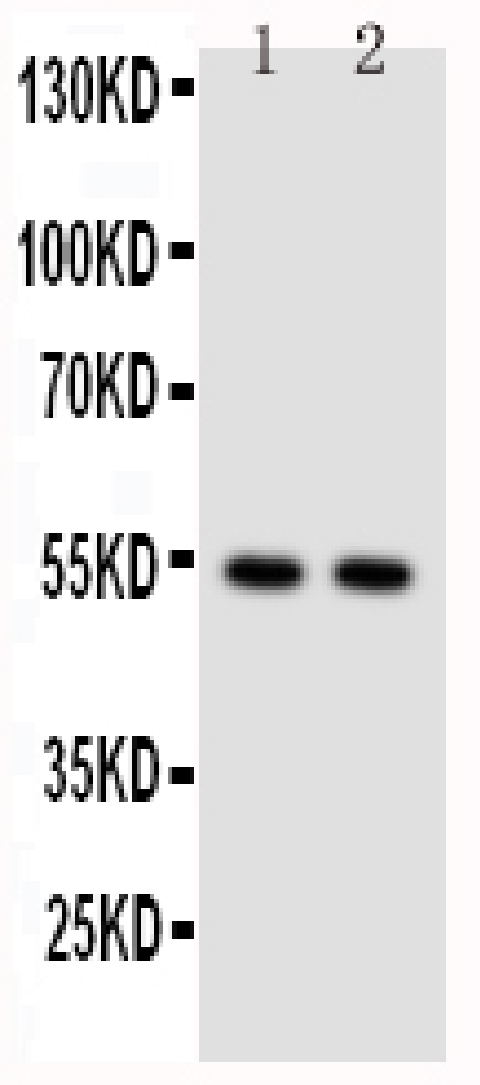
Anti-NFkB/NFKB2 p100/p52 Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of NFkB/NFKB2 p100/p52 using anti-NFkB/NFKB2 p100/p52 antibody (BA1872-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: HELA whole cell lysates,
Lane 2: JURKAT whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-NFkB/NFKB2 p100/p52 antigen affinity purified polyclonal antibody (BA1872-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NFkB/NFKB2 p100/p52 at approximately 52 kDa(activeform)/120 kDa(precursor). The expected band size for NFkB/NFKB2 p100/p52 is at 97 kDa.