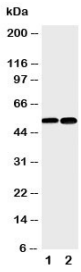
NFKB2 Antibody (R31047)

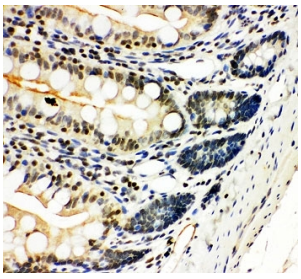
Catalog No.	Formulation	Size
R31047	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9WTK5
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This NFKB2 antibody is available for research use only.



Western blot testing of NFKB2 antibody and Lane 1: mouse liver; 2: (m) HEPA cell lysate. Expected size 52 or 100KD, depending on sample tested



IHC-P: NFKB2 antibody testing of rat intestine tissue

Description

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 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 the protein to p52, which again required Baffr and Nik, but not Nemo(IKKG). Immunoblot analysis showed that BM cells contained primarily p100.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the NFKB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of mouse NFKB2 (YDPGLDGIPEYDDFEFS) was used as the immunogen for this NFKB2 (100% rat homology).

Storage

After reconstitution, the NFKB2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.