
Product Name: KD-Validated Nuclear Factor Kappa B Subunit 2 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01395

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 96.7kDa

Antigen Information

Gene Name	NFKB2 NFKB2; Nuclear Factor Kappa B Subunit 2; P49/P100; LYT-10; NF-KB2; P52; Nuclear Factor Of Kappa Light Polypeptide Gene Enhancer In B-Cells 2 (P49/P100); Lymphocyte Translocation Chromosome 10 Protein; Nuclear Factor NF-Kappa-B P100 Subunit; DNA-Binding Factor
Alternative Names	KBF2; Oncogene Lym-10 3 4; LYT10; P105; Nuclear Factor Of Kappa Light Polypeptide Gene Enhancer In B-Cells; Nuclear Factor Of Kappa Light Chain Gene Enhancer In B Cells; Nuclear Factor NF-Kappa-B P52 Subunit; Nuclear Factor Kappa-B, Subunit 2; Transcription Factor NFKB2; NFKB, P52/P100 Subunit; CVID10; Lym10; P100
Gene ID	4791.0
SwissProt ID	Q00653

Immunogen

A synthesized peptide derived from human NFkB p100 / p52

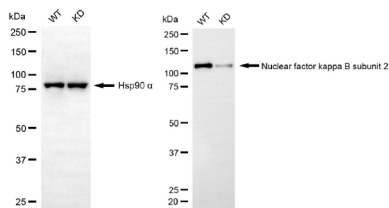
Background

This gene encodes a subunit of the transcription factor complex nuclear factor-kappa-B (NFkB). The NFkB complex is expressed in numerous cell types and functions as a central activator of genes involved in inflammation and immune function. The protein encoded by this gene can function as both a transcriptional activator or repressor depending on its dimerization partner. The p100 full-length protein is co-translationally processed into a p52 active form. Chromosomal rearrangements and translocations of this locus have been observed in B cell lymphomas, some of which may result in the formation of fusion proteins. There is a pseudogene for this gene on chromosome 18. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

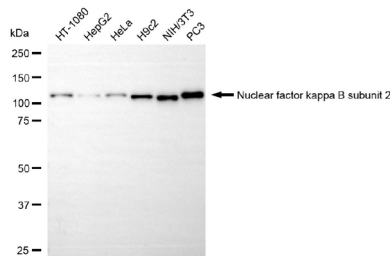
Research Area

Cell Biology,Signal Transduction,Epigenetics and Nuclear Signaling,Cancer

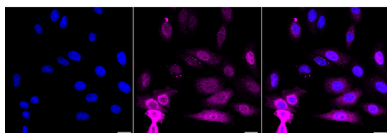
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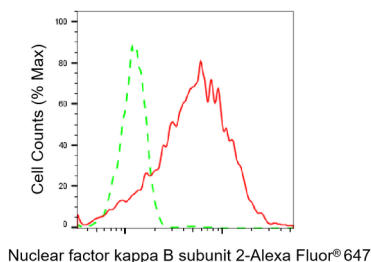
Western blotting analysis using nuclear factor kappa B subunit 2 antibody (KVA01395). Nuclear factor kappa B subunit 2 expression in wild-type (WT) and nuclear factor kappa B subunit 2 (NFKB2) knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with nuclear factor kappa B subunit 2 antibody (KVA01395, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using nuclear factor kappa B subunit 2 antibody (KVA01395). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with nuclear factor kappa B subunit 2 antibody (KVA01395, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Nuclear factor kappa B subunit 2 antibody (KVA01395, 1:1,000). Nuclei were stained blue with DAPI; Nuclear factor kappa B subunit 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Nuclear factor kappa B subunit 2 expression in HepG2 cells using Nuclear factor kappa B subunit 2 antibody (KVA01395, 1:2,000). Green, isotype control; red, Nuclear factor kappa B subunit 2.