

For Research Use Only

NFKB2,p100 Recombinant antibody

Catalog Number:84022-5-RR



Basic Information

Catalog Number:

84022-5-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0662

GenBank Accession Number:

BC002844

GeneID (NCBI):

4791

ENSEMBL Gene ID:

ENSG00000077150

UNIPROT ID:

Q00653

Full Name:

nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)

Calculated MW:

97 kDa

Observed MW:

100-110 kDa

Purification Method:

Protein A purification

CloneNo.:

241126C9

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, K-562 cells, Jurkat cells, SKOV-3 cells, HL-60 cells

Background Information

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. NFkB2 appears to have dual functions such as cytoplasmic retention of attached NF-kappa-B proteins by p100 and generation of p52 by a cotranslational processing. The proteasome-mediated process ensures the production of both p52 and p100 and preserves their independent function. P52 binds to the kappa-B consensus sequence 5'-GGRNNYYCC-3', located in the enhancer region of genes involved in immune response and acute phase reactions. P52 and p100 are respectively the minor and major form; the processing of p100 being relatively poor. Isoform p49 is a subunit of the NF-kappa-B protein complex, which stimulates the HIV enhancer in synergy with p65. This antibody can bind p100 isoform of NFkB specifically, but not p52 isoform.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

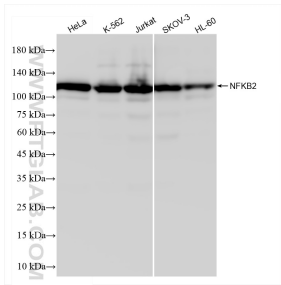
For technical support and original validation data for this product please contact:

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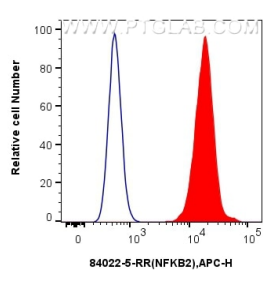
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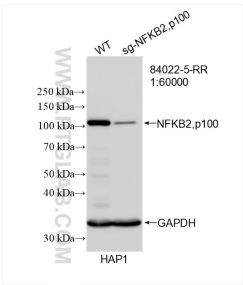
Selected Validation Data



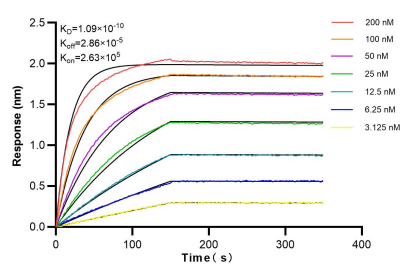
Various lysates were subjected to SDS PAGE followed by western blot with 84022-5-RR (NFKB2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ A431 cells were intracellularly stained with 0.25 ug NFKB2,p100 Recombinant antibody (84022-5-RR, Clone:241126C9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



WB result of NFKB2,p100 antibody (84022-5-RR; 1:60000; room temperature for 1.5 hours) with wild-type and sg-NFKB2 transfected HAP1 cells.



Biolayer interferometry (BLI) kinetic assays of 84022-5-RR against Human NFKB2,p100 were performed. The affinity constant is 0.109 nM.