

For Research Use Only

NFKB2,p100 Recombinant antibody

Catalog Number:84022-5-RR



Basic Information

Catalog Number: 84022-5-RR	GenBank Accession Number: BC002844	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4791	CloneNo.: 241126C9
Source: Rabbit	ENSEMBL Gene ID: ENSG00000077150	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	UNIPROT ID: Q00653	
Immunogen Catalog Number: AG0662	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	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, K-562 cells, Jurkat cells, SKOV-3 cells, HL-60 cells
Species Specificity: human	

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 NFKB2 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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

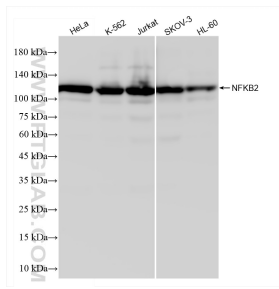
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

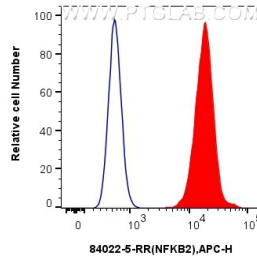
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

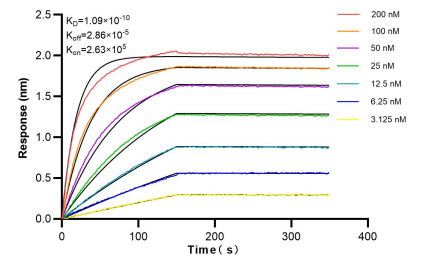
Selected Validation Data



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.



1×10^6 A431 cells were intracellularly stained with 0.25 μ g NFKB2,p100 Recombinant antibody (84022-5-RR, Clone:241126C9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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