

For Research Use Only

NFKB2,p100 Recombinant antibody, PBS Only

Catalog Number: 84022-5-PBS



Basic Information

Catalog Number: 84022-5-PBS	GenBank Accession Number: BC002844	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4791	CloneNo.: 241126C9
Source: Rabbit	ENSEMBL Gene ID: ENSG00000077150	
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), Indirect ELISA

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

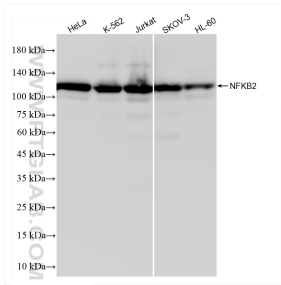
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

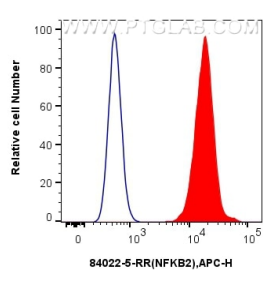
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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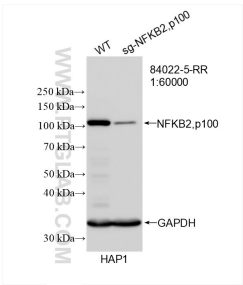
Selected Validation Data



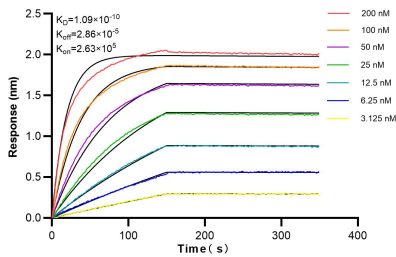
Various lysates were subjected to SDS PAGE followed by western blot with 84022-5-RR (NFKB2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84022-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84022-5-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 84022-5-PBS in a different storage buffer formulation.



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