

For Research Use Only

NFKB2 Monoclonal antibody

Catalog Number: 66920-1-Ig **Featured Product**



Basic Information

Catalog Number: 66920-1-Ig	GenBank Accession Number: BC002844	Purification Method: Protein A purification
Size: 150ul , Concentration: 1900 ug/ml by Nanodrop and 953 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4791	CloneNo.: 6A10E9
Source: Mouse	ENSEMBL Gene ID: ENSG00000077150	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:150-1:600
Isotype: IgG1	UNIPROT ID: Q00653	
Immunogen Catalog Number: AG28543	Full Name: nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	
	Calculated MW: 97 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : MCF-7 cells, HAP1 cells, WB result of NFKB2 antibody (66920-1-Ig: 1:1000; room temperature for 1.5 hours) with wild-type and NFKB2 knockout HAP1 cells., Jurkat cells, K-562 cells, Daudi cells, THP-1 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human liver cancer tissue, human pancreas cancer tissue

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'-GGRNNYCC-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.

Storage

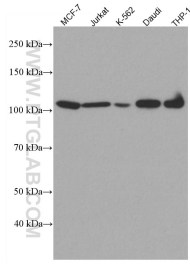
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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

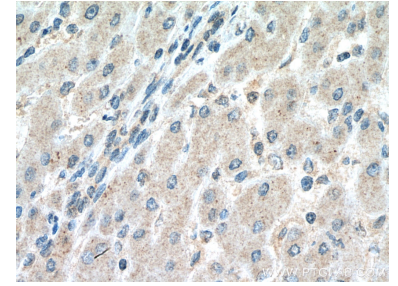
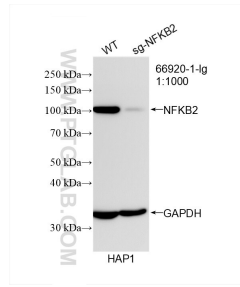
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66920-1-Ig (NFKB2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

N/A



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66920-1-Ig (NFKB2 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).