

For Research Use Only

NFKB2 Monoclonal antibody

Catalog Number: 66920-1-Ig

Featured Product



Basic Information

Catalog Number:

66920-1-Ig

Size:

150ul, Concentration: 1900 ug/ml by Nanodrop and 953 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28543

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 kDa

Purification Method:

Protein G purification

CloneNo.:

6A10E9

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:150-1:600

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

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

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'-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.

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

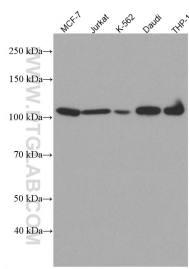
For technical support and original validation data for this product please contact:

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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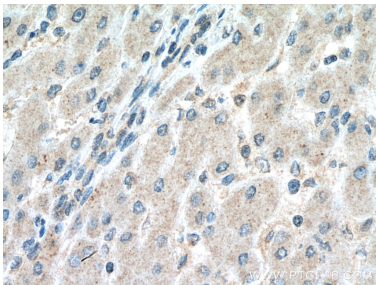
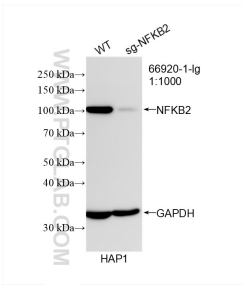
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Selected Validation Data



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).