

# NFKB2 Monoclonal antibody

Catalog Number: 66920-1-Ig

Featured Product

## Basic Information

## Catalog Number:

66920-1-Ig

## Concentration:

1900 ug/ml

## 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

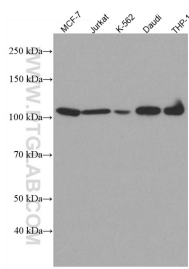
For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

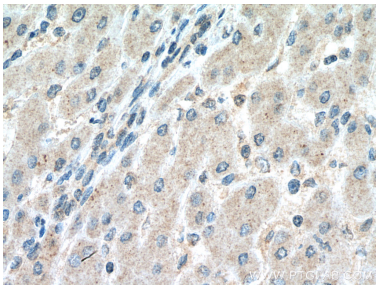
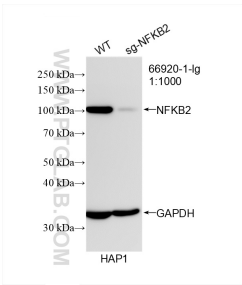
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Selected Validation Data



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).