

# NFKB2

## Polyclonal ANTIBODY

Catalog Number: 10409-2-AP

8 Publications

### Basic Information

<b>Catalog Number:</b> 10409-2-AP	<b>GenBank Accession Number:</b> BC002844	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IHC 1:20-1:200 IF 1:10-1:100
<b>Size:</b> 47 µg/150 µl	<b>GeneID (NCBI):</b> 4791	
<b>Source:</b> Rabbit	<b>Full Name:</b> nuclear factor of kappa light poly peptide gene enhancer in B-cells 2 (p49/p100)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 97 kDa	
<b>Purification Method:</b> Antigen affinity purification	<b>Observed MW:</b> 110 kDa	
<b>Immunogen Catalog Number:</b> AG0662		

### Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : multi-cells; HeLa cells
<b>Cited Applications:</b> IF, IHC, WB	IP : K-562 cells;
<b>Species Specificity:</b> human,mouse,rat	IHC : human pancreas cancer tissue; human liver cancer tissue
<b>Cited Species:</b> human, mouse, rat	IF : HeLa cells;

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

### 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'-GGRNYYCC-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 is a rabbit polyclonal antibody raised against residues near the C terminus of human NFKB2.

### Notable Publications

Author	Pubmed ID	Journal	Application
Xufeng Tao	25083618	Transplantation	WB
Xinhua Xiao	28906487	Cell Death Dis	WB
Miyu Xu	29791506	PLoS Pathog	WB

### Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

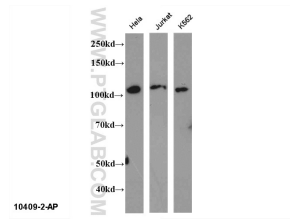
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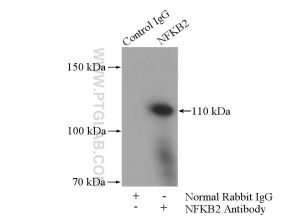
E: proteintech@ptglab.com  
W: ptglab.com

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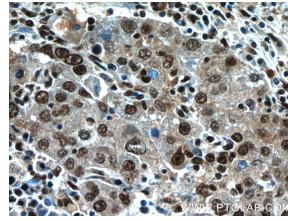
Selected Validation Data



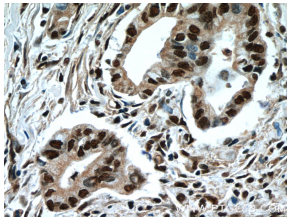
WB result of 10409-2-AP(NFKB2 antibody).



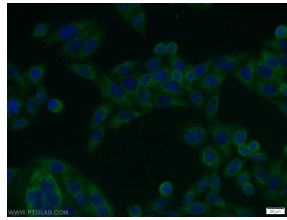
IP Result of anti-NFKB2 (IP:10409-2-AP, 4ug; Detection:10409-2-AP 1:600) with K-562 cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10409-2-AP( NFKB2 Antibody) at dilution of 1:50 (under 40x lens)



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10409-2-AP( NFKB2 Antibody) at dilution of 1:50 (under 40x lens)



Immunofluorescent analysis of HeLa cells using 10409-2-AP(NFKB2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)