

For Research Use Only

# NFKB2,p52,p100-Specific Polyclonal antibody

Catalog Number: 15503-1-AP

Featured Product

8 Publications



## Basic Information

Catalog Number:

15503-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_001077494

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:

52/100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:8000

IHC: 1:20-1:200

IF/ICC: 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

**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: NIH/3T3 cells, HAP1 cells, C6 cells

IHC: human testis tissue, human spleen tissue

IF/ICC: HeLa cells,

## 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 can bind both p52 and p100 isoforms of NFKB2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xianhui Yang	34155950	Pharm Biol	WB
Ha-Yeon Shin	35159096	Cancers (Basel)	IHC
Jun Wang	30104686	Sci Rep	WB,IF

## 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:

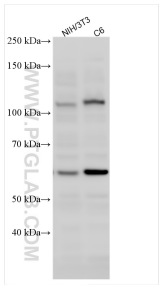
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

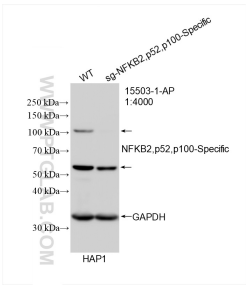
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

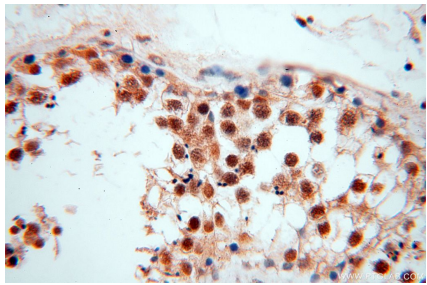
Selected Validation Data



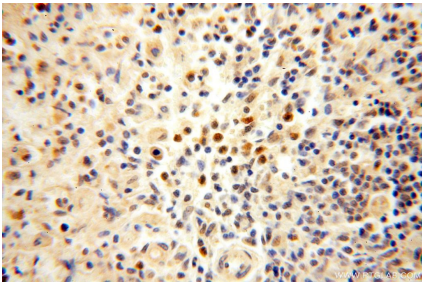
Various lysates were subjected to SDS PAGE followed by western blot with 15503-1-AP (NFKB2,p52,p100-Specific antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



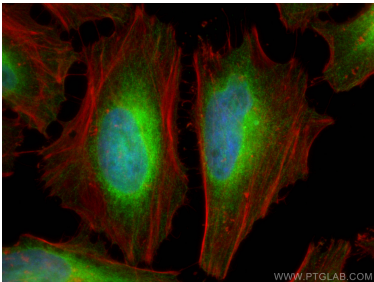
WB result of NFKB2,p52,p100-Specific antibody (15503-1-AP; 1:4000; room temperature for 1.5 hours) with wild-type and sg-NFKB2 transfected HAP1 cells.



Immunohistochemical analysis of paraffin-embedded human testis using 15503-1-AP (NFKB2,p52,p100-Specific antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human spleen using 15503-1-AP (NFKB2,p52,p100-Specific antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NFKB2,p52,p100-Specific antibody (15503-1-AP) at dilution of 1:400 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), 有核膜 (red).