

For Research Use Only

# NFKB2 Polyclonal antibody

Catalog Number: 51085-1-AP



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>51085-1-AP  | <b>GenBank Accession Number:</b><br>BC002844   | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>150ul, Concentration: 200 ug/ml by Nanodrop and 153 ug/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>4791  | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000             |
| <b>Source:</b><br>Rabbit  | <b>ENSEMBL Gene ID:</b><br>ENSG00000077150   |  |
| <b>Isotype:</b><br>IgG  | <b>UNIPROT ID:</b><br>Q00653   |  |
|   | <b>Full Name:</b><br>nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) |  |
|   | <b>Calculated MW:</b><br>97 kDa  |  |
|   | <b>Observed MW:</b><br>103 kDa   |  |

## Applications

|   |   |
|---|---|
| <b>Tested Applications:</b><br>WB, ELISA    | <b>Positive Controls:</b><br>WB : Apoptosised HeLa cells, |
| <b>Species Specificity:</b><br>human, mouse |   |

## 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 a peptide mapping within human NFKB2.

## Storage

**Storage:**  
Store at -20°C.  
**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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

