For Research Use Only

NFKB2 Polyclonal antibody

Catalog Number:51085-1-AP



Basic Information

Catalog Number: 51085-1-AP

Size: 200 µg/ml Source:

Rabbit Isotype: IgG GenBank Accession Number:

BC002844 GeneID (NCBI): 4791

ENSEMBL Gene ID: ENSG00000077150 UNIPROT ID: Q00653

nuclear factor of kappa light polypeptide gene enhancer in B-cells

Calculated MW: 97 kDa Observed MW: 103 kDa

2 (p49/p100)

Full Name:

Purification Method: Antigen affinity purification Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications: WB. ELISA

Species Specificity: human, mouse

Positive Controls:

WB: Apoptosised 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 processed 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. This antibody is a rabbit polyclonal antibody raised against a peptide mapping within human NFKB2.

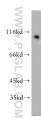
Storage

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

Selected Validation Data



Apoptosised HeLa cells were subjected to SDS PAGE followed by western blot with 51085-1-AP (NFKB2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.