

NFκB-p100 Polyclonal Antibody

Catalog No: YT3093

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IP;IF;ELISA

Target : NF-κB p100/p52

Fields: >>MAPK signaling pathway;>>NF-kappa B signaling pathway;>>Osteoclast

differentiation;>>C-type lectin receptor signaling

pathway;>>Legionellosis;>>Human T-cell leukemia virus 1 infection;>>Epstein-Barr virus infection;>>Pathways in cancer;>>Viral carcinogenesis;>>Breast

cancer

Gene Name: NFKB2

Protein Name: Nuclear factor NF-kappa-B p100 subunit

Q00653

Q9WTK5

Human Gene Id: 4791

Human Swiss Prot

No:

Mouse Gene Id: 18034

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

NF-kappaB p100/p52. AA range:833-882

Specificity: NFkB-p100 Polyclonal Antibody detects endogenous levels of NFkB-p100

protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. Immunoprecipitation: 2-5 ug:mg lysate.

IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 97kD

Cell Pathway: B Cell Receptor; Stem cell pathway; MAPK_ERK_Growth; MAPK_G_Protein;

PI3K/Akt; NF_kappaB; Protein_Acetylation

Background: nuclear factor kappa B subunit 2(NFKB2) Homo sapiens This gene encodes a

subunit of the transcription factor complex nuclear factor-kappa-B (NFkB). The NFkB complex is expressed in numerous cell types and functions as a central activator of genes involved in inflammation and immune function. The protein encoded by this gene can function as both a transcriptional activator or repressor

depending on its dimerization partner. The p100 full-length protein is cotranslationally processed into a p52 active form. Chromosomal rearrangements

and translocations of this locus have been observed in B cell lymphomas, some of which may result in the formation of fusion proteins. There is a pseudogene for this gene on chromosome 18. Alternative splicing results in multiple transcript

variants. [provided by RefSeq, Dec 2013],

Function: disease: A chromosomal aberration involving NFKB2 is found in a case of B-cell

non Hodgkin lymphoma (B-NHL). Translocation t(10;14)(q24;q32) with IGHA1.

The resulting oncogene is also called Lyt-10C alpha variant., disease: A

chromosomal aberration involving NFKB2 is found in a cutaneous T-cell leukemia (C-TCL) cell line. This rearrangement produces the p80HT gene which encodes for a truncated 80 kDa protein (p80HT).,disease:In B-cell leukemia (B-CLL) cell

line, LB40 and EB308, can be found after heterogeneous chromosomal

aberrations, such as internal deletions.,domain:The C-terminus of p100 might be involved in cytoplasmic retention, inhibition of DNA-binding by p52 homodimers, and/or transcription activation.,domain:The glycine-rich region (GRR) appears to be a critical element in the generation of p52.,function:NF-kappa-B is a pleiotropic

transcription factor which is present in almost a

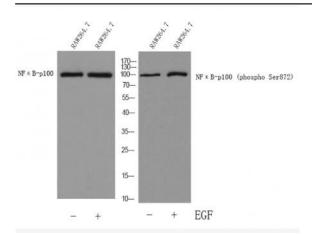
Subcellular Location:

Nucleus. Cytoplasm. Nuclear, but also found in the cytoplasm in an inactive form

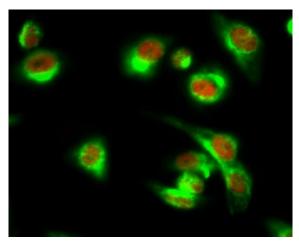
complexed to an inhibitor (I-kappa-B).

Expression: Leukemia, Lymph, Thymus,

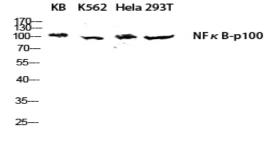
Products Images



Western blot analysis of lysates from RAW264.7 cells treated with EGF 200ng/ml 30', using NF-kappaB p100 Antibody. Primary Antibody was diluted at 1:1000 4° over night, secondary antibody(Immunoway cat:RS23920)was diluted at 1:10000, 37° 1hour.

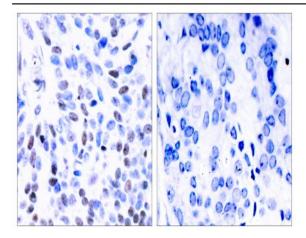


Immunofluorescence analysis of Hela cell. 1,NFkB-p100 Polyclonal Antibody(red) was diluted at 1:200(4° overnight). ATG5 mouse Monoclonal Antibody(3C7)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000(room temperature, 50min).



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Western blot analysis of KB K562 Hela 293T lysis using NFκB-p100 antibody. Antibody was diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using NF-kappaB p100/p52 Antibody. The picture on the right is blocked with the synthesized peptide.