



# NFκB-p100 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-01904
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IP;IF;ELISA
<b>Gene Name</b>	NFKB2
<b>Protein Name</b>	Nuclear factor NF-kappa-B p100 subunit
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NF-kappaB p100/p52. AA range:833-882
<b>Specificity</b>	NFκB-p100 Polyclonal Antibody detects endogenous levels of NFκB-p100 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	NFKB2; LYT10; Nuclear factor NF-kappa-B p100 subunit; DNA-binding factor KBF2; H2TF1; Lymphocyte translocation chromosome 10 protein; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 2; Oncogene Lyt-10; Lyt10
<b>Observed Band</b>	
<b>Cell Pathway</b>	Nucleus. Cytoplasm. Nuclear, but also found in the cytoplasm in an inactive form complexed to an inhibitor (I-kappa-B).
<b>Tissue Specificity</b>	Leukemia,Lymph,Thymus,
<b>Function</b>	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

**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 co-translationally 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],

**matters needing attention**

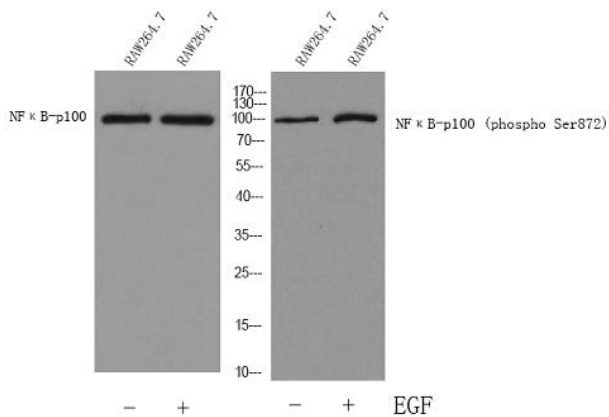
Avoid repeated freezing and thawing!

**Usage suggestions**

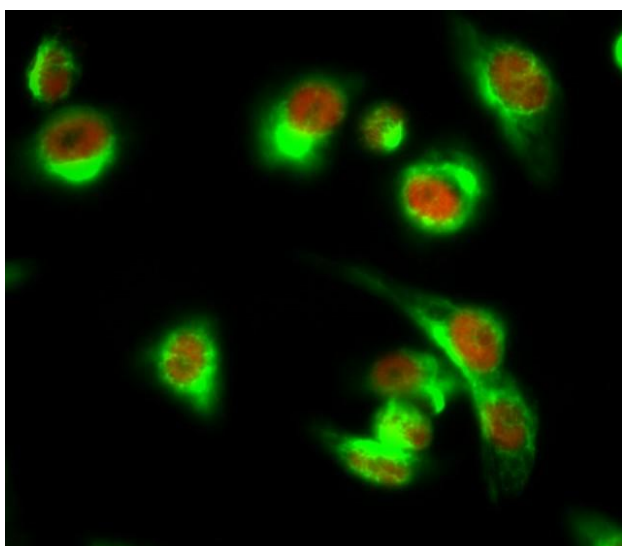
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



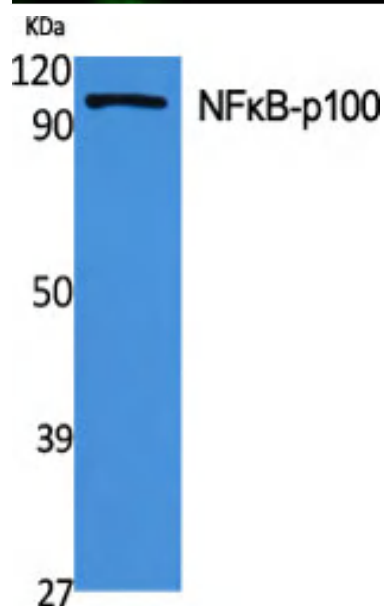
## Products Images



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.



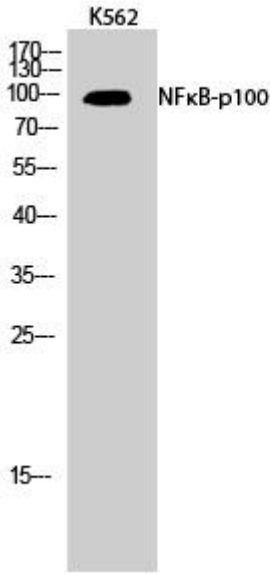
Immunofluorescence analysis of HeLa cell. 1, NF-kB-p100 Polyclonal Antibody (red) was diluted at 1:200 (4° overnight). ATG5 mouse Monoclonal Antibody (3C7) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000 (room temperature, 50min).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



Western Blot analysis of various cells using NF-kB-p100 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of K562 cells using NFκB-p100  
Polyclonal Antibody diluted at 1:1000



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

