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## NFkB-p100 (phospho Ser872) Polyclonal Antibody

Catalog No	YP-Ab-01311
Isotype	lgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	NFKB2
Protein Name	Nuclear factor NF-kappa-B p100 subunit
Immunogen	The antiserum was produced against synthesized peptide derived from human NF-kappaB p100 around the phosphorylation site of Ser872. AA range:838-887
Specificity	Phospho-NFκB-p100 (S872) Polyclonal Antibody detects endogenous levels of NFκB-p100 protein only when phosphorylated at S872.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	96kD
Cell Pathway	Nucleus. Cytoplasm. Nuclear, but also found in the cytoplasm in an inactive form complexed to an inhibitor (I-kappa-B).
Tissue Specificity	Leukemia,Lymph,Thymus,
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

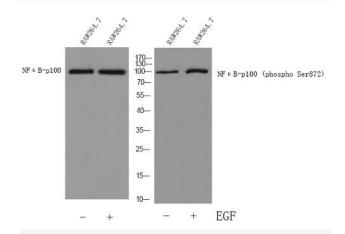


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Backgroundnuclear factor kappa B subunit 2(NFKB2) Homo sapiens<br/>subunit of the transcription factor complex nuclear factor-kappa-B (NFkB). The<br/>NFkB complex is expressed in numerous cell types and functions as a central<br/>activator of genes involved in inflammation and immune function. The protein<br/>encoded by this gene can function as both a transcriptional activator or repressor<br/>depending on its dimerization partner. The p100 full-length protein is<br/>co-translationally processed into a p52 active form. Chromosomal<br/>rearrangements and translocations of this locus have been observed in B cell<br/>lymphomas, some of which may result in the formation of fusion proteins. There is<br/>a pseudogene for this gene on chromosome 18. Alternative splicing results in<br/>multiple transcript variants. [provided by RefSeq, Dec 2013],Matters needing<br/>attentionAvoid repeated freezing and thawing!Usage suggestionsThis product can be used in immunological reaction related experiments. For<br/>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 (Phospho-Ser872) Antibody. Primary Antibody was diluted at 1:1000 4° over night,secondary antibody(Immunoway cat:RS23920)was diluted at 1:10000, 37° 1hour.

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