

**NFκB-p100 (phospho Ser872) Polyclonal Antibody**

<b>Catalog No :</b>	YP0375
<b>Reactivity :</b>	Human,Mouse
<b>Applications :</b>	WB,ELISA
<b>Gene Name :</b>	NFKB2
<b>Protein Name :</b>	Nuclear factor NF-kappa-B p100 subunit
<b>Human Gene Id :</b>	4791
<b>Human Swiss Prot No :</b>	Q00653
<b>Mouse Gene Id :</b>	18034
<b>Mouse Swiss Prot No :</b>	Q9WTK5
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human NF-kappaB p100 around the phosphorylation site of Ser872. AA range:838-887
<b>Specificity :</b>	Phospho-NFκB-p100 (S872) Polyclonal Antibody detects endogenous levels of NFκB-p100 protein only when phosphorylated at S872.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Rabbit
<b>Dilution :</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-20°C/1 year

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**Molecularweight :** 96749

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**Observed Band :** 96

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**Cell Pathway :** B Cell Receptor, Stem cell pathway, MAPK\_ERK\_Growth,MAPK\_G\_Protein, Akt\_PKB, NF\_kappaB, Protein\_Acetylation

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**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],

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**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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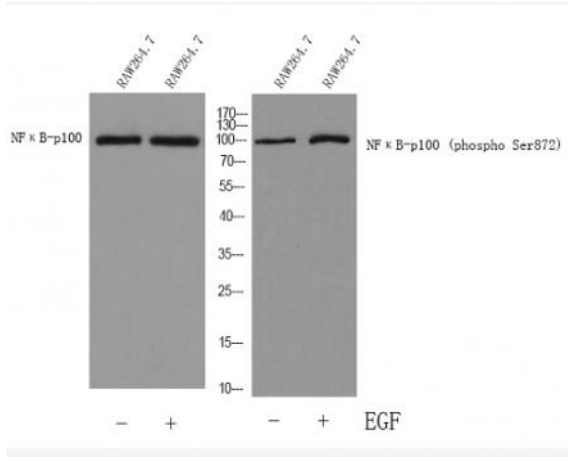
**Subcellular Location :** nucleus,nucleoplasm,cytoplasm,cytosol,Bcl3/NF-kappaB2 complex,

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**Expression :** Leukemia,Lymph,Thymus,

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## 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° 1 hour.