

## anti- RELB antibody

### Product Information

Catalog No.:	FNab07234
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processes 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. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively. NF-kappa-B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NF-kappa-B complexes are held in the cytoplasm in an inactive state complexed with members of the NF-kappa-B inhibitor (I-kappa-B) family. In a conventional activation pathway, I-kappa-B is phosphorylated by I-kappa-B kinases (IKKs) in response to different activators, subsequently degraded thus liberating the active NF-kappa-B complex which translocates to the nucleus. NF-kappa-B heterodimeric RelB-p50 and RelB-p52 complexes are transcriptional activators. RELB neither associates with DNA nor with RELA/p65 or REL. Stimulates promoter activity in the presence of NFKB2/p49. As a member of the NUPR1/RELB/IER3 survival pathway, may provide pancreatic ductal adenocarcinoma with remarkable resistance to cell stress, such as starvation or gemcitabine treatment. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-

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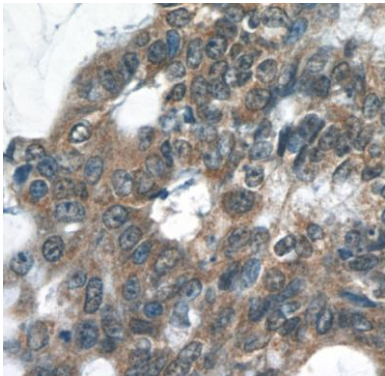
ARNTL/BMAL1 heterodimer in a CRY1/CRY2 independent manner. Increased repression of the heterodimer is seen in the presence of NFkB2/p52.

### Immunogen information

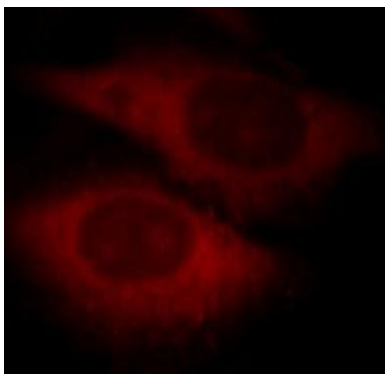
Immunogen: v-relreticuloendotheliosis viral oncogene homolog B  
Synonyms: None  
Observed MW: 62kDa  
UniprotID : Q01201

### Application

Reactivity: Human  
Tested Application: ELISA, IF, IHC, IP, WB  
Recommended dilution: WB: 1:500-1:5000; IP: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:10-1:100  
Image:



Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using FNab07234(RELB Antibody) at dilution of 1:50



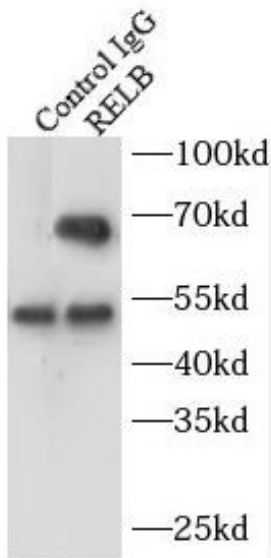
Immunofluorescent analysis of HeLa cells using FNab07234 (RELB Antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG

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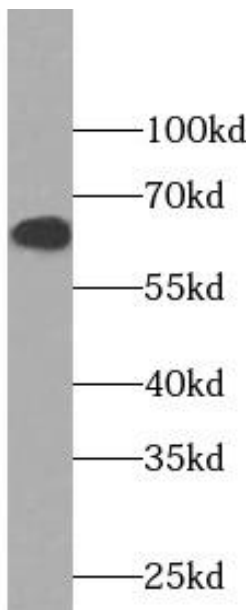
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IP Result of anti-RELB (IP:FNab07234, 3ug;  
Detection:FNab07234 1:300) with Raji cells lysate  
2500ug.



Raji cells were subjected to SDS PAGE followed  
by western blot with FNab07234(RELB Antibody)  
at dilution of 1:1000