

RelB Polyclonal Antibody

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|------------------------------|--|
| Catalog No : | YT4045 |
| Reactivity : | Human;Mouse |
| Applications : | WB;ELISA;IHC |
| Target : | RelB |
| Fields : | >>MAPK signaling pathway;>>NF-kappa B signaling pathway;>>Osteoclast differentiation;>>C-type lectin receptor signaling pathway;>>Human T-cell leukemia virus 1 infection;>>Epstein-Barr virus infection |
| Gene Name : | RELB |
| Protein Name : | Transcription factor RelB |
| Human Gene Id : | 5971 |
| Human Swiss Prot No : | Q01201 |
| Mouse Gene Id : | 19698 |
| Mouse Swiss Prot No : | Q04863 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human RelB. AA range:530-579 |
| Specificity : | RelB Polyclonal Antibody detects endogenous levels of RelB protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000 |
| 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)

Observed Band : 62kD

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;

Background : caution:Was originally (PubMed:1577270) thought to inhibit the transcriptional activity of nuclear factor NF-kappa-B.,domain:Both N- and C-terminal domains are required for transcriptional activation.,function: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.,induction:By mitogens.,PTM:Phosphorylation at 'Thr-103' and 'Ser-573' is followed by proteasomal degradation.,similarity:Contains 1 RHD (Rel-like) domain.,subunit:Component of the NF-kappa-B RelB-p50 complex. Component of the NF-kappa-B RelB-p52 complex. Self-associates; the interaction seems to be transient and may prevent degradation allowing for heterodimer formation with p50 or p52. Interacts with NFKB1/p50, NFKB2/p52 and NFKB2/p100. Interacts with NFKBID.,

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activators or repressors, respectively. NF-k

Subcellular Location :

Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Colocalizes with NEK6 in the centrosome.

Expression :

Blood,T-cell,

Sort :

14377

No4 :

1

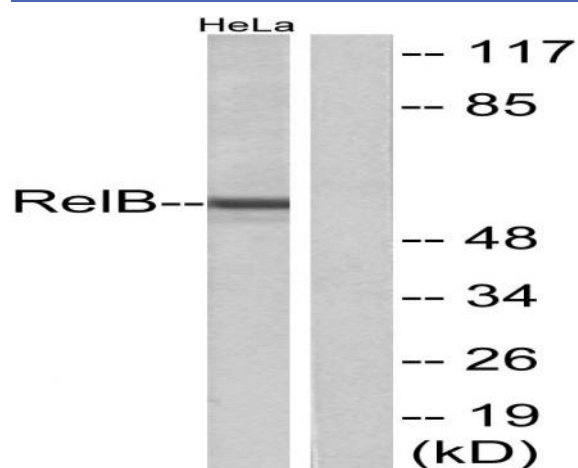
Host :

Rabbit

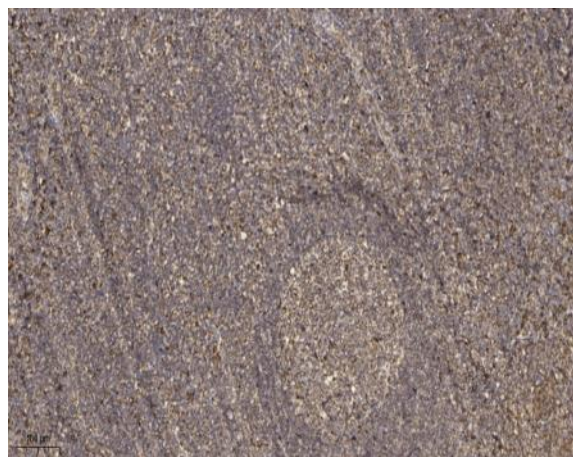
Modifications :

Unmodified

Products Images



Western blot analysis of lysates from HeLa cells, using ReIB Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).