Datasheet for ABIN2855360

anti-RELB antibody (C-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	RELB
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RELB antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human RelB. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to RelB (v-rel reticuloendotheliosis viral oncogene homolog B) RelB antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	RELB
Alternative Name:	RelB (RELB Products)

Target Details

Background:	NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processed 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. Cellular Localization: Nucleus
Molecular Weight:	62 kDa
Gene ID:	5971
Pathways:	NF-kappaB Signaling, RTK Signaling

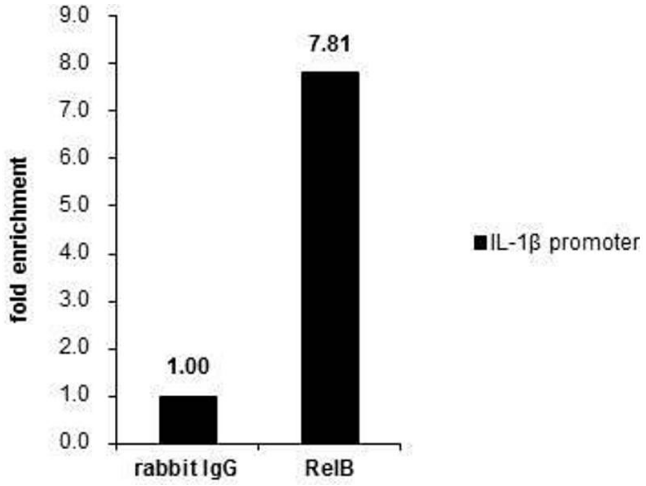
Application Details

Application Notes:	Suggested dilution Reference ChIP assay Assay-dependent dilution IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Immunoprecipitation 1:100-1:500* Western blot 1:1000-1:10000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceChIP assayAssay-dependent dilution IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Immunoprecipitation1:100-1:500* Western blot1:1000-1:10000*
Comment:	Positive Control: Jurkat , NIH-3T3
Restrictions:	For Research Use only

Handling

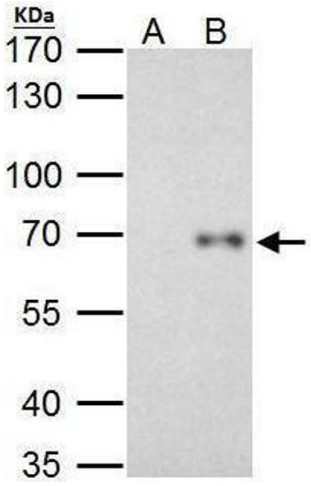
Format:	Liquid
Concentration:	0.81 mg/mL
Buffer:	1XPBS, 1 % BSA, 20 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



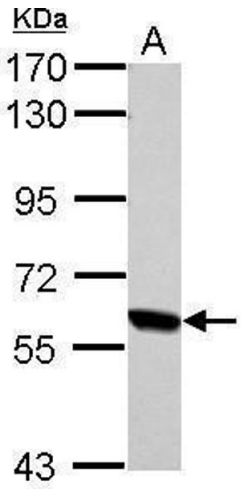
Chromatin Immunoprecipitation

Image 1. ChIP Image Cross-linked ChIP was performed with THP-1 chromatin extract treated with LPS (1.0 µg/ml for 3 h) and 5 µg of either normal rabbit IgG or anti-RelB antibody. The precipitated DNA was detected by PCR with primer set targeting to IL-1βpromoter.



Immunoprecipitation

Image 2. IP Image RelB antibody immunoprecipitates RelB protein in IP experiments. IP Sample: HeLa whole cell lysate/extract A. Control with 2 µg of preimmune rabbit IgG B. Immunoprecipitation of RelB protein by 2 µg of RelB antibody , 7.5% SDS-PAGE The immunoprecipitated RelB protein was detected by RelB antibody , diluted at 1:1000. EasyBlot anti-rabbit IgG was used as a secondary reagent.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Jurkat 7.5% SDS PAGE antibody diluted at 1:1000

Please check the product details page for more images. Overall 5 images are available for ABIN2855360.