Datasheet for ABIN2780785

anti-RELB antibody (Middle Region)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	RELB
Binding Specificity:	Middle Region
Reactivity:	Human, Dog, Cow, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RELB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RELB
Sequence:	DLLPPAPPHA SAVVCSGGAG AVVGETPGPE PLTLDSYQAP GPGDGGTASL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 93%, Human: 100%, Pig: 86%
Characteristics:	This is a rabbit polyclonal antibody against RELB. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

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. Alias Symbols: I-REL, IREL, REL-B Protein Interaction Partner: NFKB2, NFKB1, BCL3, NEK6, DNMT1, DAXX, MT1M, GSK3B, CTSL, CDK1, BUD31, UQCRFS1, MTAP, COMMD9, COMMD5, MALT1, COMMD1, COMMD8, COMMD4, COMMD10, COMMD2, UBC, RAC1, SUZ12, RELA, EZH2, DPF2, YY1, CBX3, EHMT2, NFKBIA, KPNA6, SMARCA4, SMARCE1, SMARCC2, SMARCC1, Protein Size: 579
Molecular Weight:	62 kDa
Gene ID:	5971
NCBI Accession:	NM_006509, NP_006500
UniProt:	Q01201
Pathways:	NF-kappaB Signaling, RTK Signaling

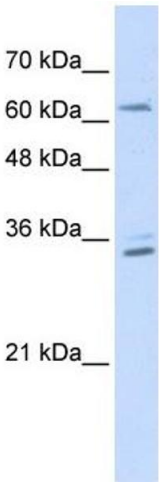
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 579 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-RELB Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Transfected 293T