

Datasheet for ABIN5689617
anti-RELB antibody (AA 550-554)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	RELB
Binding Specificity:	AA 550-554
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RELB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	RelB (Ab-573) antibody was raised against a peptide sequence around aa. 550~554 (L-L-S-P-G) derived from Human RelB.
Specificity:	This antibody detects endogenous level of total RelB protein.
Purification:	Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

Target:	RELB
Alternative Name:	RelB (RELB Products)
Background:	NF- κ -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- κ -B is a homo- or heterodimeric complex formed by

Target Details

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- κ -B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NF- κ -B complexes are held in the cytoplasm in an inactive state complexed with members of the NF- κ -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- κ -B complex which translocates to the nucleus. NF- κ -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.

Molecular Weight:	70 kDa
Gene ID:	5971
NCBI Accession:	NP_006500
UniProt:	Q01201
Pathways:	NF-kappaB Signaling , RTK Signaling

Application Details

Application Notes:	Western Blot: 1:500~1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Antibody supplied in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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

Storage:	-20 °C
Storage Comment:	Store antibody at -20°C for up to one year.