

Rabbit anti-Human I kappaB beta Polyclonal Antibody | anti-NFKBIB antibody

Phospho-I kappaB beta (Thr19) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321737	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

I kappaB beta; Polyclonal Antibody; Phospho-I kappaB beta (Thr19) Antibody; I kappa B beta; I-kappa-B-beta; IkappaBbeta; IKB beta; Ikb-B; Ikb-beta; IKBB; IKBB_HUMAN; Ikbbeta; NF kappa BIB; NF-kappa-B inhibitor beta; NF-kappa-BIB; Nfkbib; Thyroid receptor interacting protein 9; Thyroid receptor-interacting protein 9; TR interacting protein 9; TR-interacting protein 9; TRIP-9; TRIP9; anti-NFKBIB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-I kappaB-beta (Thr19) antibody detects endogenous levels of I kappaB-beta only when phosphorylated at Threonine 19
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	270
Applicable Applications for anti-NFKBIB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human I kappaB-beta around the phosphorylation site of Threonine 19
Subcellular Location	Cytoplasm. Nucleus.
Tissue Specificity	Expressed in all tissues examined.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (92%), Dog (92%), Chicken (83%)
Conjugation	Unconjugated
Epitope	Phospho Thr19
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of I kappaB beta phosphorylation expression in TNF-a treated 293 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321737 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NFKBIB antibody	Description: kB-beta a protein of the NF-kappa-B inhibitor family. Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further IKBA-dependent inactivation. Function: Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further NFKBIA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation. Subunit Structure: Interacts with THRB (via ligand-binding domain) (PubMed:7776974). Interacts with RELA and REL (By similarity). Interacts with COMMD1 (PubMed:16573520). Interacts with inhibitor kappa B-interacting Ras-like NKIRAS1 and NKIRAS2 (PubMed:10657303, PubMed:12672800, PubMed:15024091). Post-translational Modifications: Phosphorylated by RPS6KA1; followed by degradation. Interaction with NKIRAS1 and NKIRAS2 probably prevents phosphorylation. Similarity: Belongs to the NF-kappa-B inhibitor family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	340805857
NCBI GeneID	4793
NCBI Accession #	NP_001230045.1
NCBI GenBank Nucleotide #	NM_001243116.1
UniProt Accession #	Q15653; Q96BJ7; A8K3F4
Molecular Weight	Observed: 37 kDa Predicted: 38 kDa
NCBI Official Full Name	NF-kappa-B inhibitor beta isoform 2
NCBI Official Synonym Full Names	NFKB inhibitor beta
NCBI Official Symbol	NFKBIB
NCBI Official Synonym Symbols	IKBB; TRIP9
NCBI Protein Information	NF-kappa-B inhibitor beta
UniProt Protein Name	NF-kappa-B inhibitor beta
UniProt Gene Name	NFKBIB
UniProt Synonym Gene Names	IKBB; TRIP9; NF-kappa-BIB; IkB-B; IkB-beta; IkappaBbeta; TR-interacting protein 9; TRIP-9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.