

Summary

Production Name	IκB-β Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	NFKB1B NFKB1B; IKBB; TRIP9; NF-kappa-B inhibitor beta; NF-kappa-BIB; I-kappa-B-beta; IκB-B;
Alternative Names	IκB-beta; IκappaBbeta; Thyroid receptor-interacting protein 9; TR-interacting protein 9; TRIP-9
Gene ID	4793.0
SwissProt ID	Q15653.The antiserum was produced against synthesized peptide derived from human IκappaB-beta. AA range:4-53

Application

Dilution Ratio	WB 1:500-2000
Molecular Weight	37kD

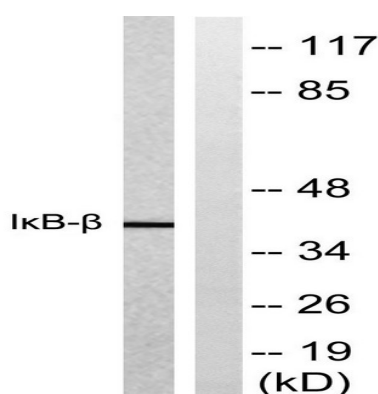
Background

The protein encoded by this gene belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. Phosphorylation of serine residues on these proteins by kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B, which translocates to the nucleus to function as a transcription factor. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2011],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 IKBA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.,PTM:Phosphorylated; followed by degradation. Interaction with NKIRAS1 and NKIRAS2 probably prevents phosphorylation.,similarity:Belongs to the NF-kappa-B inhibitor family.,similarity:Contains 6 ANK repeats.,subunit:Interacts with THRB (via ligand-binding domain). Interacts with RELA and REL. Interacts with COMMD1 and inhibitor kappa B-interacting Ras-like NKIRAS1 and NKIRAS2.,tissue specificity:Expressed in all tissues examined,

Research Area

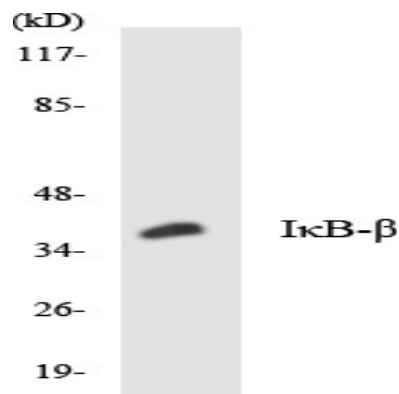
Chemokine;NOD-like receptor;RIG-I-like receptor;Cytosolic DNA-sensing pathway;T_Cell_Receptor;B_Cell_Antigen;Neurotrophin;Adipocytokine;

Image Data

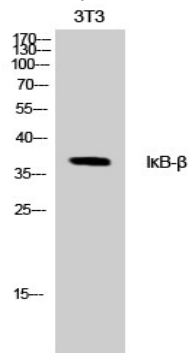


Western blot analysis of lysates from NIH/3T3 cells, treated with TNF 20ng/ml 30', using IκappaB-beta Antibody. The lane on the right is blocked with the synthesized peptide.

Product Name: IκB-β Rabbit Polyclonal Antibody
Catalog #: APRab12806



Western blot analysis of the lysates from HT-29 cells using IκB-β antibody.



Western Blot analysis of NIH-3T3 cells using IκB-β Polyclonal Antibody

Note

For research use only.