Datasheet for ABIN2775837

anti-NFKBIB antibody (C-Term)

4 Images

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Overview

Quantity:	100 µL
Target:	NFKBIB
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human NFKBIB
Sequence:	MLRPNPILAR LLRAHGAPEP EGEDEKSGPC SSSSDSDSGD EGDEYDDIVV
Predicted Reactivity:	Cow: 91%, Dog: 83%, Guinea Pig: 92%, Horse: 92%, Human: 100%, Mouse: 85%, Rabbit: 77%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against NFKBIB. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	NFKBIB

Target Details

Alternative Name:	NFKBIB (NFKBIB Products)
Background:	NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664 or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T, R is an A or G purine, and Y is a C or T pyrimidine).[supplied by OMIM].NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664 or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T, R is an A or G purine, and Y is a C or T pyrimidine).[supplied by OMIM]. Alias Symbols: IKBB, TRIP9 Protein Interaction Partner: VPS52, UBC, BAG3, TSPAN1, GIT2, RELA, REL, CSNK2A1, CDC25A, BAK1, APP, ZBTB7A, DNAJA3, IKBKB, CHUK, BRAP, IKBKG, TRE17, NFKBIA, NCOR2, PPARG, ESR2, POLR1D, POLR1E, POLR1A, POLR1C, POLR2H, NKIRAS2, POLR1B, NKIRAS1, LRPPRC, RASAL2, MTIF2, BTRC, CUL1, SKP1, Protein Size: 356
Molecular Weight:	38 kDa
Gene ID:	4793
NCBI Accession:	NM_002503, NP_002494
UniProt:	Q15653
Pathways:	NF-kappaB Signaling, Activation of Innate immune Response, Maintenance of Protein Location, Toll-Like Receptors Cascades

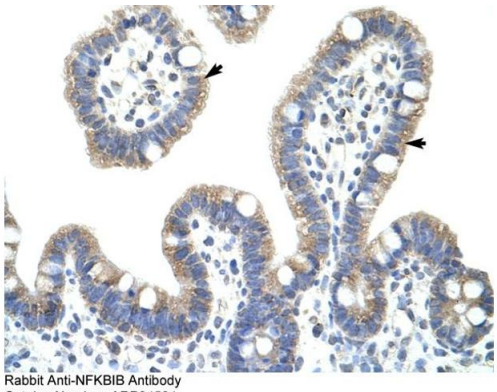
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 356 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

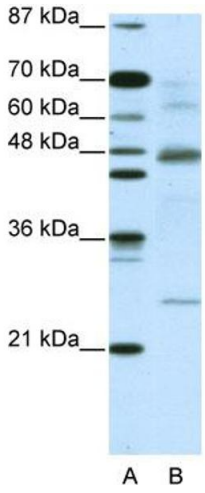


Rabbit Anti-NFKBIB Antibody
Catalog Number: ARP34504
Lot Number: QC9427
Paraffin Embeded Tissue: Human Intestine
Cells with Positive label: Epithelial cells of intestinal villus (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

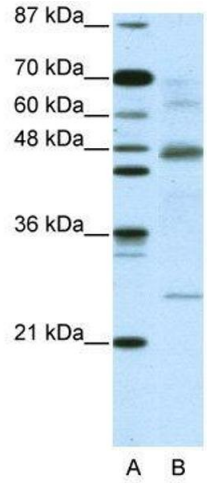
Image 1. Human Intestine

Images



Western Blotting

Image 2. WB Suggested Anti-NFKBIB Antibody Titration: 5.0ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate NFKBIB is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Western Blotting

Image 3. WB Suggested Anti-NFKBIB

Antibody Titration: 5.0 µg/mL ELISA Titer: 1:.12500

Positive Control: Jurkat cell lysate

NFKBIB is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

Please check the product details page for more images. Overall 4 images are available for ABIN2775837.