



Datasheet for ABIN2775762
anti-NFKBIB antibody (N-Term)



[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	NFKBIB
Binding Specificity:	N-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)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NFKBIB
Sequence:	LVFGYVTEDEG DTALHLAVIH QHEPFLDFLL GFSAGTEYMD LQNDLGQTAL
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against NFKBIB. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NFKBIB
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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 GGGRNNYCC 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

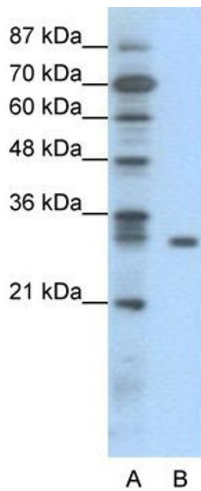
Format: Liquid

Concentration: Lot specific

Handling

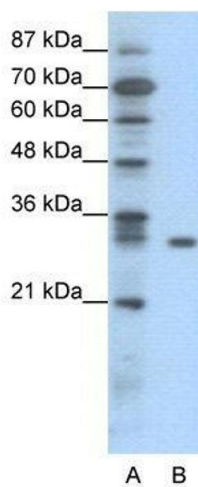
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated 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

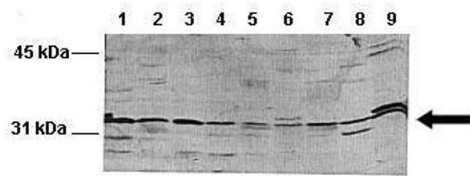
Image 1. WB Suggested Anti-NFKBIB Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:2500 Positive Control: Jurkat cell lysate NFKBIB is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Western Blotting

Image 2. WB Suggested Anti-NFKBIB Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:500 Positive Control: Jurkat cell lysate NFKBIB is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

NFKBIB



See Immunoblot 2 Data and Customer Feedback for more Information

Western Blotting

Image 3. Lanes: Lane 1: 100ug mouse liver lysate Lane 2: 100ug mouse brain lysate Lane 3: 100ug mouse heart lysate Lane 4: 100ug mouse kidney lysate Lane 5: 100ug mouse lung lysate Lane 6: 100ug mouse thymus lysate Lane 7: 100ug mouse spleen lysate Lane 8: 100ug mouse testis lysate Lane 9: 100ug HeLa cell lysate Primary Antibody Dilution: 1:1000 Secondary Antibody: Anti-rabbit-AP Secondary Antibody Dilution: 1:10,000 Gene Name: NFKBIB Submitted by: Andreia Carvalho. Instituto de Biologia Molecular e Celular, Universidade do Porto (IBMC-UP)/Organelle Biogenesis and Function (OBF) Group

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2775762.