

Datasheet for ABIN2775761

anti-NFKBIB antibody (Middle Region)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µL
Target:	NFKBIB
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig, 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 middle region of human NFKBIB
Sequence:	PILARLLRAH GAPEPEGEDE KSGPCSSSSD SDSGDEGDEY DDIVVHSSRS
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 91%, 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:	<p>Inhibition of NFkappa-B activity by the hepatitis C virus core protein might be related to its physical interaction with and interrupted nuclear localization of IKKbeta. Increased nuclear factor-kappaB (NF-kB) activity in the amnion during labor is associated with an increase in the expression of NF-kBp65 and of the NF-kB binding proteins IkbA, IkbB-1 and IkbB-2. IkappaBbeta may be a novel target for transcription factors of the HMG-box SRY/Sox family and imply a potential role for NF-kappaB/IkappaBbeta in spermatogenesis. 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]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-766 BM449613.1 1-766 767-1189 BU634404.1 18-440 c 1190-1198 AI684894.1 1-9 c</p> <p>Alias Symbols: IKBB, TRIP9</p> <p>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,</p> <p>Protein Size: 356</p>
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

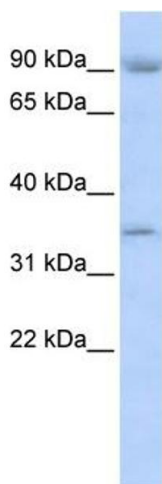
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 356 AA
Restrictions:	For Research Use only

Handling

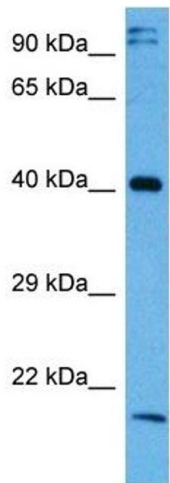
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained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



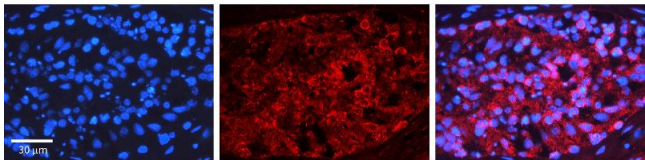
Western Blotting

Image 1. WB Suggested Anti-NFKBIB Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 721_B cell lysate NFKBIB is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Western Blotting

Image 2. Host: Rabbit Target Name: NFKBIB Sample Tissue: Mouse Testis Antibody Dilution: 1ug/ml



Immunohistochemistry

Image 3. Rabbit Anti-NFKBIB Antibody Formalin Fixed Paraffin Embedded Tissue: Human Testis Tissue Observed Staining: Nucleus, Cytoplasm Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec