Datasheet for ABIN2779787

anti-IKBKB antibody (N-Term)

4 Images

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Overview

Quantity:	100 µL
Target:	IKBKB
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Dog, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IKBKB 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 IKBKB
Sequence:	CITGFRPFLP NWQPVQWHSK VRQKSEVDIV VSEDLNGTVK FSSSLPYPNN
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against IKBKB. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	IKBKB

Target Details

Alternative Name:	IKBKB (IKBKB Products)
Background:	NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA 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 or IKBKB) 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).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, MIM 604495), 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) 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 1-203 AL708460.1 9-211 204-3077 AF080158.1 170-3043 3078-3916 AK023193.1 1980-2818 Alias Symbols: FLJ40509, IKK-beta, IKK2, IKKB, MGC131801, NFKBIKB Protein Interaction Partner: BCL10, IKBKG, UBC, Snap23, RELA, NFKBIA, MTOR, RPTOR, ROCK1, IKBKB, CDC37, KEAP1, MAP3K7, FLNC, NGFR, EGLN3, SASH1, COPS5, COPS3, PPP1CA, TPX2, TNFRSF1A, AURKA, PRKCQ, MAP3K1, TFAP2C, NLRC5, PYCARD, TAB2, IKBKE, MAP3K14, CHUK, HSPB1, PRKCE, NAA20, TRAF3IP Protein Size: 756
Molecular Weight:	86 kDa
Gene ID:	3551
NCBI Accession:	NM_001556, NP_001547
UniProt:	O14920
Pathways:	NF-kappaB Signaling, RTK Signaling, TCR Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Production of Molecular Mediator of Immune Response, Hepatitis C, Toll-Like Receptors

Target Details

Cascades, BCR Signaling, Ubiquitin Proteasome Pathway, S100 Proteins

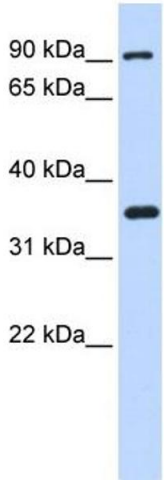
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 756 AA
Restrictions:	For Research Use only

Handling

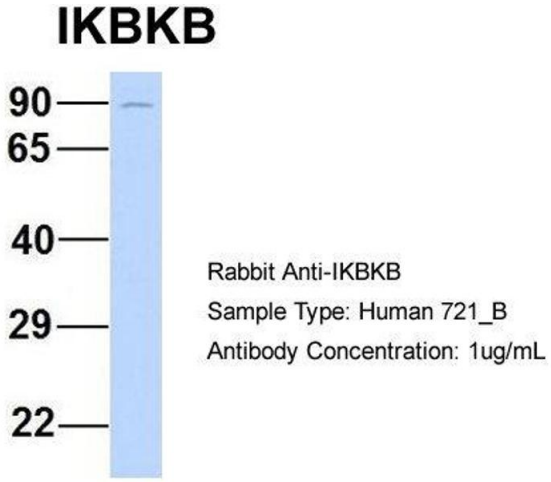
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained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



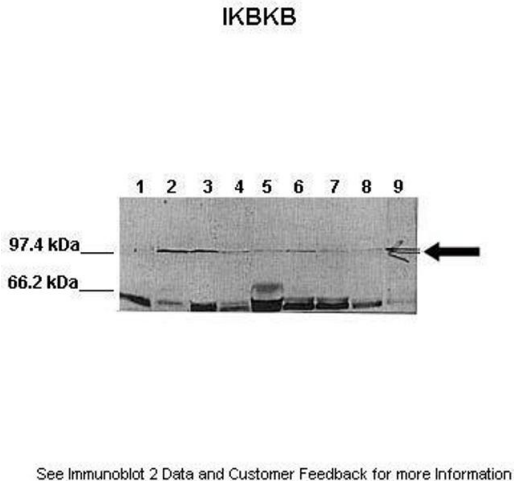
Western Blotting

Image 1. WB Suggested Anti-IKBKB Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human brain



Western Blotting

Image 2. Host: Rabbit Target Name: IKBKB Sample Type: Human 721_B Antibody Dilution: 1.0ug/ml IKBKB is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Western Blotting

Image 3. Researcher:Andreia Carvalho. Instituto de Biologia Molecular e Celular, Universidade do Porto (IBMC-UP)/Organelle Biogenesis and Function (OBF) GroupApplication:Western blottingSpecies+tissue/cell type: 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

Please check the product details page for more images. Overall 4 images are available for ABIN2779787.