Rabbit IKBKB Polyclonal Antibody | anti-IKBKB antibody

IKBKB antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197425	**Rabbit**	**Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat**	**Western Blot**

PRODUCT SYNONYMS

IKBKB; Polyclonal Antibody; IKBKB antibody - N-terminal region; anti-IKBKB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Syntheticp eptideloca tedwithint hefollowin gregion:CI TGFRPFLPNW QPVQWHSKVR QKSEVDIVVS EDLNGTVKFS SSLPYPNN
Sequence Length	756
Applicable Applications for anti-IKBKB antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human IKBKB
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

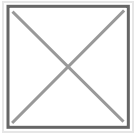
IMAGES



WB (Western Blot)
WB Suggested Anti-IKBKB Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive Control: Human brain



WB (Western Blot)
Sample Type: Primary vascular endothelial cellsProtocol: Loaded 30ug of cell lysate of each. One normal, one cultured with high glucose (which enhances IKK Beta). Expected band is cut. 10% Gel concentration.Primary dilution: 1:1000



WB (Western Blot)
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 lysateLane 2: 100ug mouse brain lysateLane 3: 100ug mouse heart lysateLane 4: 100ug mouse kidney lysateLane 5: 100ug mouse lung lysateLane 6: 100ug mouse thymus lysateLane 7: 100ug mouse spleen lysateLane 8: 100ug mouse testis lysateLane 9: 100ug HeLa cell lysatePrimary antibody dilution:1:1000Secondary antibody:Anti-rabbit-APSecondary antibody dilution:1:10,000



WB (Western Blot)
Host: RabbitTarget Name: IKBKBSample Type: Human 721_BAntibody Dilution: 1.0ug/mlIKBKB is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

ADDITIONAL INFORMATION

Related Product Information for anti-IKBKB antibody	This is a rabbit polyclonal antibody against IKBKB. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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
Product Categories/Family for anti-IKBKB antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Cell Biology; Chromatin & Nuclear Signaling; Signal Transduction; E3 & Ubiquitin; DNA/RNA/Protein Interactions; Phosphorylation; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	41352712
NCBI GeneID	3551
NCBI Accession #	NP_001547
NCBI GenBank Nucleotide #	NM_001556
UniProt Accession #	O14920
Molecular Weight	86kDa
NCBI Official Full Name	inhibitor of nuclear factor kappa-B kinase subunit beta isoform 1
NCBI Official Synonym Full Names	inhibitor of nuclear factor kappa B kinase subunit beta
NCBI Official Symbol	IKBKB
NCBI Official Synonym Symbols	IKK2; IKKB; IMD15; IMD15A; IMD15B; NFKBIKB; IKK-beta
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit beta
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit beta
UniProt Gene Name	**IKBKB**
UniProt Synonym Gene Names	IKKB; I-kappa-B-kinase beta; IKK-B; IKK-beta; IkBKB; IKK2; NFKBIKB
UniProt Entry Name	IKKB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/ikbkb-antibody-western-blot-elisa/197425