

Mouse anti-Human IKK beta Monoclonal Antibody | anti-IKBKB antibody

IKK beta Antibody

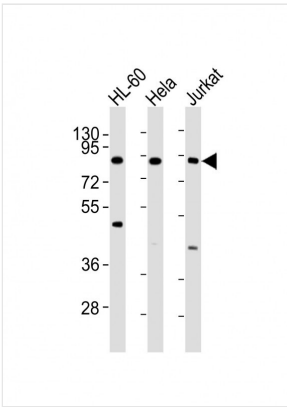
CATALOG # AAA283428	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

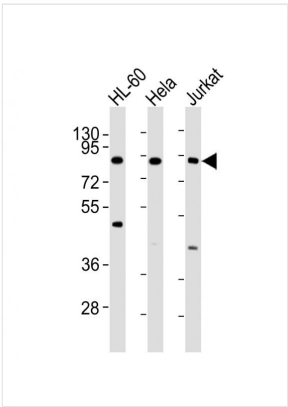
IKK beta; Monoclonal Antibody; IKK beta Antibody; Inhibitor of nuclear factor kappa-B kinase subunit beta; I-kappa-B-kinase beta; IKK-B; IKK-beta; Ikbkb; I-kappa-B kinase 2; IKK2; Nuclear factor NF-kappa-B inhibitor kinase beta; NFKBKB; IKBKB; IKKB; anti-IKBKB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	62AT216
Specificity	This IKK beta antibody was raised using purified His-tagged recombinant full length human IKK beta.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	format Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.65 (varies by lot)
Sequence Length	697
Applicable Applications for anti-IKBKB antibody	ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
The anti-IKKbeta Mab is used in Western blot to detect IKKbeta in Jurkat cell lysate.



WB (Western Blot)
All lanes : Anti-IKK beta Antibody at 1:4000 dilution
Lane 1: HL-60 whole cell lysates
Lane 2: HeLa whole cell lysates
Lane 3: Jurkat whole cell lysates
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 87 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-IKBKB antibody	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).
Product Categories/Family for anti-IKBKB antibody	Cardiovascular; Cell Biology; Immunology; Signal Transduction
References	Downregulation of active IKK beta by Ro52-mediated autophagy. Niida M, et al. Mol Immunol, 2010 Aug. PMID 20627395. Interleukin-9 polymorphism in infants with respiratory syncytial virus infection: an opposite effect in boys and girls. Schuurhof A, et al. Pediatr Pulmonol, 2010 Jun. PMID 20503287. Association between anti-tumour necrosis factor treatment response and genetic variants within the TLR and NF{kappa}B signalling pathways. Potter C, et al. Ann Rheum Dis, 2010 Jul. PMID 20448286. Protein phosphatase 2A acts as a mitogen-activated protein kinase kinase 3 (MEKK3) phosphatase to inhibit lysophosphatidic acid-induced IkappaB kinase beta/nuclear factor-kappaB activation. Sun W, et al. J Biol Chem, 2010 Jul 9. PMID 20448038. Respiratory syncytial virus-mediated NF-kappa B p65 phosphorylation at serine 536 is dependent on RIG-I, TRAF6, and IKK beta. Yoboua F, et al. J Virol, 2010 Jul. PMID 20410276.

NCBI AND UNIPROT INFORMATION

NCBI GI #	299758411
NCBI GeneID	3551
NCBI Accession #	NP_001177649.1; NP_001229707.1; NP_001547.1
NCBI GenBank Nucleotide #	NM_001190720.2
UniProt Accession #	O14920; O75327; B4DZ30; B4E0U4
Molecular Weight	86564
NCBI Official Full Name	inhibitor of nuclear factor kappa-B kinase subunit beta isoform 2
NCBI Official Synonym Full Names	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta

NCBI Official Symbol	IKBKB
NCBI Official Synonym Symbols	IKK2; IKKB; IMD15; NFKB1KB; 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; NFKB1KB
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/monoclonal/ikk-beta-antibody-clone-62at216-western-blot-elisa/283428>