IKK Beta (IKKB) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IKK beta (IKKB), Polyclonal Antibody
Full Product Name	IKK beta
Product Gene Name	anti-IKKB antibody
Product Synonym Gene Name	I-kappa-B-kinase beta; IKK-B; IKK-beta; IkBKB; IKK2; NFKBIKB
Product Synonym Names	Inhibitor of nuclear factor kappa-B kinase subunit beta; I-kappa-B kinase 2; Nuclear factor NF-kappa-B inhibitor kinase beta
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	1*TBS (pH7.4), 0.5% BSA, 50% Glycerol. 0.05% Sodium Azide.
Purity/Purification	Protein A Affinity Purified
Preparation and Storage	Store at 4 degree C after thawing. Aliquot store at -20 degree C or -80 degree C. Avoid repeated freeze/thaw cycles.
OMIM	603258
3D Structure	ModBase 3D Structure for O14920
Immunogen	Recombinant Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-IKKB antibody	MBS8566063 is an antibody targeting IKKB. Also known as IKK beta. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-IKKB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IKKB. It may not necessarily be applicable to this product.

NCBI GI #	299758411
NCBI GeneID	3551
NCBI Accession #	NP_001177649.1
UniProt Primary Accession #	O14920
UniProt Secondary Accession #	O88351; Q9QY78
UniProt Related Accession #	O14920
GenBank Nucleotide #	NP_001177649.1
NCBI Official Full Name	inhibitor of nuclear factor kappa-B kinase subunit beta isoform 2

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
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit beta
UniProt Synonym Protein Names	I-kappa-B kinase 2; IKK2; Nuclear factor NF-kappa-B inhibitor kinase 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
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit beta
NCBI Summary for IKKB	The protein encoded by this gene phosphorylates the inhibitor in the inhibitor/NF-kappa-B complex, causing dissociation of the inhibitor and activation of NF-kappa-B. The encoded protein itself is found in a complex of proteins. Several transcript variants, some protein-coding and some not, have been found for this gene. [provided by RefSeq, Sep 2011]
UniProt Comments for IKKB	IKKB: a kinase of the IKK family. Phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Preferentially found as a heterodimer with IKK-alpha but also as an homodimer. Protein type: EC 2.7.11.10; Protein kinase, Other; Kinase, protein; Protein kinase, Ser/Thr (non-receptor); Other group; IKK family Chromosomal Location of Human Ortholog: 8p11.2 Cellular Component: internal side of plasma membrane; cytoplasm; IkappaB kinase complex; nucleus; cytosol; lipid raft Molecular Function: protein serine/threonine kinase activity; protein binding; protein homodimerization activity; IkappaB kinase activity; protein heterodimerization activity; protein kinase binding; ATP binding; protein kinase activity Biological Process: I-kappaB kinase/NF-kappaB cascade; positive regulation of I-kappaB kinase/NF-kappaB cascade; nerve growth factor receptor signaling pathway; MyD88-independent toll-like receptor signaling pathway; response to virus; positive regulation of transcription, DNA-dependent; toll-like receptor 3 signaling pathway; T cell receptor signaling pathway; protein amino acid phosphorylation; toll-like receptor 2 signaling pathway; activation of NF-kappaB transcription factor; toll-like receptor 10 signaling pathway; toll-like receptor 5 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; serine phosphorylation of STAT protein; B cell homeostasis; toll-like receptor signaling pathway; positive regulation of interferon type I production; innate immune response; positive regulation of transcription from RNA polymerase II promoter; toll-like receptor 9 signaling pathway; inflammatory response; I-kappaB phosphorylation; toll-like receptor 4 signaling pathway; negative regulation of apoptosis Disease: Immunodeficiency 15
Research Articles on IKKB	**1.** Gain-of-function IKBKB mutation causes human combined immune deficiency.
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