IKBKB Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	IKBKB, Monoclonal Antibody
Full Product Name	IKBKB (Inhibitor of kappa Light Polypeptide Gene Enhancer in B-Cells, Kinase beta, FLJ40509, IKK-beta, IKK2, IKKB, MGC131801, NFKBIKB) (MaxLi
Product Gene Name	anti-IKBKB antibody
Product Synonym Names	Inhibitor of kappa Light Polypeptide Gene Enhancer in B-Cells; Kinase beta; FLJ40509; IKK-beta; IKK2; IKKB; MGC131801; NFKBIKB
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	2F4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes IKBKB.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the the cap.
Immunogen	IKBKB (AAH06231, 3aa-120aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	WSPSLTTQTCGAWEMKERLGTGGFGNVIRWHNQETGEQIAIKQCRQELSPRNRERWCLEIQIMRRLTHPNVVAARDVPEGMQNLAPNDLPLLAMEYCQ
Conjugate	MaxLight750
Product Categories/Family for anti-IKBKB antibody	Antibodies; Protein Kinase Inhibitors
Applications Tested/Suitable for anti-IKBKB antibody	Western Blot (WB)
Application Notes for anti-IKBKB antibody	Applications are based on unconjugated antibody.
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 comple inhibited by I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phospho the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activatio 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 H H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine). [supplied by OMIM]
Other Notes	Small volumes of anti-IKBKB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess 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 ap

Searchable Terms for IKBKB purchase	MBS6238868 is an antibody targeting IKBKB. Also known as IKBKB (Inhibitor of kappa Light Polypeptide Gene Enhancer in B-Cells, Kinase beta, FLJ4 MGC131801, NFKBIKB) (MaxLight 750). Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	13623263
NCBI GeneID	3551
NCBI Accession #	AAH06231
UniProt Related Accession #	O14920
NCBI Official Full Name	IKBKB protein
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
Protein Family	Inhibitor of nuclear factor kappa-B kinase-interacting protein
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit beta
NCBI Summary for IKBKB	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]
Research Articles on IKBKB	**1.** data indicate that the IKKs restrict infection but HCMV targets their signaling to modulate the cellular inflammatory environment.
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