IKBKE Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IKBKE, Polyclonal Antibody
Full Product Name	IKBKE Rabbit pAb
Product Gene Name	anti-IKBKE antibody
Product Synonym Names	IKBKE; IKK-E; IKK-i; IKKE; IKKI; IKKi/IKKe
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity Chromatography
Preparation and Storage	Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.
Molecular Weight	80kDa
OMIM	605048
3D Structure	ModBase 3D Structure for Q14164
Immunogen	A synthesized peptide derived from human IKKi/IKKe
Cellular Localization	Cytoplasm, Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IKBKE antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FC/FACS)
Application Notes for anti-IKBKE antibody	WB: 1:1000-1:5000 IHC: 1:50-1:200 ICC/IF: 1:50-1:200 FC/FACS: 1:50
Related Product Information for anti-IKBKE antibody	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. May play a special role in the immune response. Protects cells against DNA damage-induced cell death.
Other Notes	Small volumes of anti-IKBKE 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.
Searchable Terms for IKBKE purchase	MBS8543827 is an antibody targeting IKBKE. Also known as IKBKE Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	14548079
NCBI GeneID	9641

NCBI Accession #	Q14164.1
UniProt Primary Accession #	Q14164
UniProt Related Accession #	Q14164
NCBI Official Full Name	Inhibitor of nuclear factor kappa-B kinase subunit epsilon
NCBI Official Synonym Full Names	inhibitor of nuclear factor kappa B kinase subunit epsilon
NCBI Official Symbol	IKBKE
NCBI Official Synonym Symbols	IKKE; IKKI; IKK-E; IKK-i
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit epsilon
UniProt Synonym Protein Names	Inducible I kappa-B kinase; IKK-i
Protein Family	Inhibitor of nuclear factor kappa-B kinase
UniProt Gene Name	IKBKE
UniProt Synonym Gene Names	IKKE; IKKI; KIAA0151; I-kappa-B kinase epsilon; IKK-E; IKK-epsilon; IkBKE; IKK-i
UniProt Entry Name	IKKE_HUMAN
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit epsilon
NCBI Summary for IKBKE	IKBKE is a noncanonical I-kappa-B (see MIM 164008) kinase (IKK) that is essential for regulating antiviral signaling pathways. IKBKE has also been identified as a breast cancer (MIM 114480) oncogene and is amplified and overexpressed in over 30% of breast carcinomas and breast cancer cell lines (Hutti et al., 2009 [PubMed 19481526]).[supplied by OMIM, Oct 2009]
UniProt Comments for IKBKE	IKKE: a oncogenic 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. Plays a pivotal role in coordinating the activation of IRF3 and NF-kappaB in the innate immune response. Its redistribution to PML nuclear bodies upon DNA damage is TOPORS-dependent. Is a breast cancer oncogene that exerts its oncogenic properties through cRel. Protein type: Inhibitor; Kinase, protein; EC 2.7.11.10; Protein kinase, Other; Protein kinase, Ser/Thr (non-receptor); Other group; IKK family Chromosomal Location of Human Ortholog: 1q32.1 Cellular Component: nucleoplasm; PML body; cytoplasm; mitochondrial membrane; endosome membrane; nucleus; cytosol Molecular Function: NF-kappaB-inducing kinase activity; protein binding; IkappaB kinase activity; ATP binding Biological Process: positive regulation of I-kappaB kinase/NF-kappaB cascade; DNA damage response, signal transduction resulting in induction of apoptosis; MyD88-independent toll-like receptor signaling pathway; toll-like receptor signaling pathway; innate immune response; immune response; toll-like receptor 3 signaling pathway; I-kappaB phosphorylation; negative regulation of interferon type I production; toll-like receptor 4 signaling pathway; protein amino acid phosphorylation
Research Articles on IKBKE	**1.** the expression of inhibitor of nuclear factor kappa-B kinase epsilon (IKKe) in aortic aneurysm (AA) and its potential underlying molecular mechanism in AA.
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