DGK Beta (DGKbeta) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DGK beta (DGKbeta), Polyclonal Antibody
Full Product Name	DGK beta Antibody
Product Gene Name	anti-DGKbeta antibody
Product Synonym Gene Name	DGKB
Product Synonym Names	DAGK2; KIAA0718; Diacylglycerol kinase beta; DAG kinase beta; 90 kDa diacylglycerol kinase; Diglyceride kinase beta; DGK-beta
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Monkey
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of DGK beta protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	90,595 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (14184674..14881075, complement). Location: 7p21.2
OMIM	604070
3D Structure	ModBase 3D Structure for Q9Y6T7
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human DGK beta. The exact sequence is proprietary.
Product Categories/Family for anti-DGKbeta antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DGKbeta antibody	Western Blot (WB)
Application Notes for anti-DGKbeta antibody	WB: 1:500-1:1000
Related Product Information for anti-DGKbeta antibody	MBS8580515 is an antibody targeting DGKbeta. Also known as DGK beta Antibody. Reactive in Human, Monkey. Host: Rabbit. Rabbit polyclonal antibody to DGK beta
Other Notes	Small volumes of anti-DGKbeta 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 DGKbeta. It may not necessarily be applicable to this product.

NCBI GI #	22027632
NCBI GeneID	1607
NCBI Accession #	NP_004071.1
UniProt Primary Accession #	Q9Y6T7
UniProt Secondary Accession #	O75241; Q2M377; Q75MF9; Q75MU7; Q86UI5; Q86UM9; Q9UQ29; A4D116; A4D117; A8MXU2
UniProt Related Accession #	Q9Y6T7
GenBank Nucleotide #	NM_004080.2
NCBI Official Full Name	diacylglycerol kinase beta isoform 1
NCBI Official Synonym Full Names	diacylglycerol kinase, beta 90kDa
NCBI Official Symbol	DGKB
NCBI Official Synonym Symbols	DGK; DAGK2; DGK-BETA
UniProt Protein Name	Diacylglycerol kinase beta
UniProt Synonym Protein Names	90 kDa diacylglycerol kinase; Diglyceride kinase beta
Protein Family	Diacylglycerol kinase
UniProt Gene Name	DGKB
UniProt Synonym Gene Names	DAGK2; KIAA0718; DAG kinase beta; DGK-beta
UniProt Entry Name	DGKB_HUMAN
NCBI Protein Information	diacylglycerol kinase beta; DAG kinase beta; diglyceride kinase beta; 90 kDa diacylglycerol kinase
NCBI Summary for DGKbeta	Diacylglycerol kinases (DGKs) are regulators of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isotypes have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (kinase) domain and a cysteine-rich domain (CRD). The protein encoded by this gene is a diacylglycerol kinase, beta isotype. Two alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for DGKbeta	DGKB: is a cytoplasmic enzyme that phosphorylates 1,2-diacylglycerol. A regulator of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isotypes have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (kinase) domain and a cysteine-rich domain (CRD). Protein type: Lipid Metabolism - glycerophospholipid; Kinase, lipid; Lipid Metabolism - glycerolipid; Motility/polarity/chemotaxis; EC 2.7.1.107 Chromosomal Location of Human Ortholog: 7p21.2 Cellular Component: cytoplasm; plasma membrane Molecular Function: calcium ion binding; diacylglycerol kinase activity; ATP binding; NAD+ kinase activity Biological Process: platelet activation; protein kinase C activation; blood coagulation; phosphorylation
Research Articles on DGKbeta	**1.** findings further suggest that DGL-alpha and -beta may regulate neurite outgrowth by engaging temporally and spatially distinct molecular pathways
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