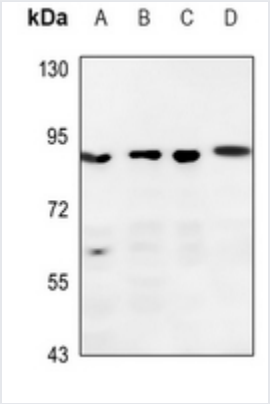
DGK Beta (DGKbeta) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DGK beta (DGKbeta), Polyclonal Antibody
Full Product Name	Anti-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
Host	Rabbit
Species Reactivity	Human, Monkey
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent 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
Applications Tested/Suitable for anti-DGKbeta antibody	Western Blot (WB)
Related Product Information for anti-DGKbeta antibody	Rabbit polyclonal antibody to DGK beta KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human DGK beta. The exact sequence is proprietary.
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.
Searchable Terms for DGKbeta purchase	MBS9239106 is an antibody targeting DGKbeta. Also known as Anti-DGK beta Antibody. Reactive in Human, Monkey. Host: Rabbit.



Wester Blot (WB) of anti-DGKbeta antibody
Dilution: WB (1/500 - 1/1000)Western blot analysis of DGK beta expression in Hela (A), DLD (B), HGC27 (C), U2OS (D) whole cell lysates.

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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