DGKH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DGKH, Polyclonal Antibody
Full Product Name	DGKH Conjugated Antibody
Product Gene Name	anti-DGKH antibody
Product Synonym Names	iacylglycerol kinase eta; EC 2.7.1.107; Diglyceride kinase eta; DGK-eta; DAG kinase eta
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total DGKH protein
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	134,866 Da
Chromosome Location	Chromosome: 13; NC_000013.10 (42614172..42803891). Location: 13q14.11
OMIM	604071
3D Structure	ModBase 3D Structure for Q86XP1
Immunogen	Synthesized peptide derived from internal of human DGKH.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-DGKH antibody	Most Applications
Application Notes for anti-DGKH antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-DGKH antibody	Phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA). Plays a key role in promoting cell growth. Activates the Ras/B-Raf/C-Raf/MEK/ERK signaling pathway induced by EGF. Regulates the recruitment of RAF1 and BRAF from cytoplasm to membranes and their heterodimerization.
Other Notes	Small volumes of anti-DGKH 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 DGKH purchase	MBS9444830 is an antibody targeting DGKH. Also known as DGKH Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	325197213
NCBI GeneID	160851
NCBI Accession #	NP_001191433.1
UniProt Primary Accession #	Q86XP1
UniProt Secondary Accession #	Q5VZW0; Q6PI56; Q86XP2; Q8N3N0; Q8N7J9; A2A2W7; A6NFX7; B4DZ34
UniProt Related Accession #	Q86XP1
GenBank Nucleotide #	NM_001204504.1
NCBI Official Full Name	diacylglycerol kinase eta isoform 1
NCBI Official Synonym Full Names	diacylglycerol kinase, eta
NCBI Official Symbol	DGKH
NCBI Official Synonym Symbols	DGKeta
UniProt Protein Name	Diacylglycerol kinase eta
UniProt Synonym Protein Names	Diglyceride kinase eta
UniProt Gene Name	DGKH
UniProt Synonym Gene Names	DAG kinase eta; DGK-eta
UniProt Entry Name	DGKH_HUMAN
NCBI Protein Information	diacylglycerol kinase eta; DGK-eta; DAG kinase eta; diglyceride kinase eta
NCBI Summary for DGKH	This gene encodes a member of the diacylglycerol kinase (DGK) enzyme family of proteins, specifically the type II DGK subfamily. Members of this family are involved in regulating the intracellular concentrations of diacylglycerol and phosphatidic acid. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Mar 2011]
UniProt Comments for DGKH	DGKH: Phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA). Plays a key role in promoting cell growth. Activates the Ras/B-Raf/C-Raf/MEK/ERK signaling pathway induced by EGF. Regulates the recruitment of RAF1 and BRAF from cytoplasm to membranes and their heterodimerization. Belongs to the eukaryotic diacylglycerol kinase family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Lipid Metabolism - glycerolipid; Motility/polarity/chemotaxis; Kinase, other; EC 2.7.1.107; Lipid Metabolism - glycerophospholipid Chromosomal Location of Human Ortholog: 13q14.11 Cellular Component: nuclear membrane; cytoplasm; plasma membrane; nucleus; endosome Molecular Function: metal ion binding; diacylglycerol kinase activity; ATP binding; NAD+ kinase activity Biological Process: platelet activation; protein kinase C activation; blood coagulation; phosphorylation; protein oligomerization
Research Articles on DGKH	**1.** DGKK variants are associated with hypospadias
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