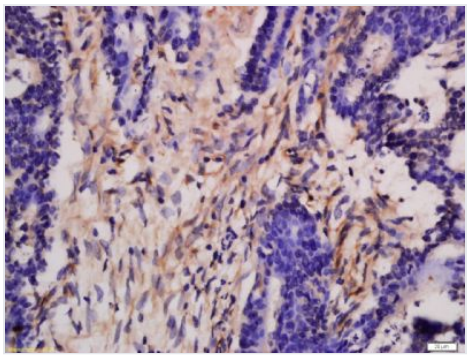
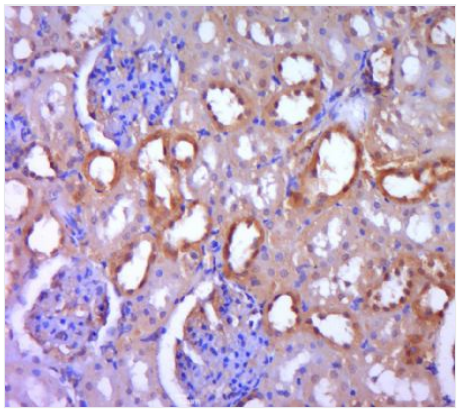
DGKH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

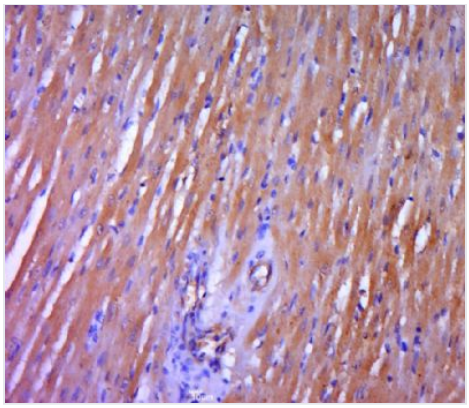
Product Name	DGKH, Polyclonal Antibody
Full Product Name	DGKH Polyclonal Antibody
Product Gene Name	anti-DGKH antibody
Product Synonym Names	Diacylglycerol kinase eta; DAG kinase eta; 2.7.1.107; Diglyceride kinase eta; DGK-eta; DGKH
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat, Pig
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
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	134,866 Da
Chromosome Location	Chromosome: 13; NC_000013.10 (42614172..42803891). Location: 13q14.11
OMIM	604071
3D Structure	ModBase 3D Structure for Q86XP1
Applications Tested/Suitable for anti-DGKH antibody	Immunohistochemistry-Paraffin (IHC-P), Immunohistochemistry-Frozen (IHC-F), Immunofluorescence (IF), Immunocytochemistry (ICC)
Related Product Information for anti-DGKH antibody	MBS9235084 is an antibody targeting DGKH. Also known as DGKH Polyclonal Antibody. Reactive in Rat, Pig. Host: Rabbit.
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.



Immunohistochemistry (IHC)-Paraffin of anti-DGKH antibody
Tissue/cell: human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37 degree C for 20 min; Incubation: Anti-DGKH Polyclonal Antibody, Unconjugated(bs-14298R) 1:200, overnight at 4 degree C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Immunohistochemistry (IHC)-Paraffin of anti-DGKH antibody
Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 degree C for 30min; Antibody incubation with (DGKH) Polyclonal Antibody, Unconjugated (bs-14298R) at 1:400 overnight at 4 degree C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Immunohistochemistry (IHC)-Paraffin of anti-DGKH antibody
Dilution: Paraformaldehyde-fixed, paraffin embedded (rat heart tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 degree C for 30min; Antibody incubation with (DGKH) Polyclonal Antibody, Unconjugated (bs-14298R) at 1:400 overnight at 4 degree C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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