

Rabbit DGKH Polyclonal Antibody | anti-DGKH antibody

DGKH Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321141	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

DGKH; Polyclonal Antibody; DGKH Antibody; DAG kinase eta; DGK eta; Diacylglycerol kinase eta; Diglyceride kinase eta; anti-DGKH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	DGKH Antibody detects endogenous levels of total DGKH.
Purity/Purification	Peptide affinity purification
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-DGKH antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human DGKH, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



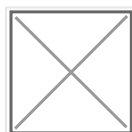
WB (Western Blot)

Western blot analysis of extracts from Human Fetal heart, using DGKH Antibody. The lane on the left was treated with blocking peptide.



IHC (Immunohistochemistry)

AAA321141 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IF (Immunofluorescence)

AAA321141 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DGKH antibody	Description: 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. Two transcript variants encoding distinct isoforms have been identified for this gene. Function: 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. Subunit Structure: Isoform 1 forms homooligomers through the SAM domain. Isoform 1 is also able to form heterooligomers with SAM domain-containing isoforms of DGKD. Oligomerization of isoform 1 inhibits its catalytic activity. Interacts with RAF1 and BRAF. Post-translational Modifications: Phosphorylated; does not inhibit catalytic activity. Similarity: Belongs to the eukaryotic diacylglycerol kinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	325197213
NCBI GeneID	160851
NCBI Accession #	NP_001191433.1
NCBI GenBank Nucleotide #	NM_001204504.2
UniProt Accession #	Q86XP1; Q5VZW0; Q6PI56; Q86XP2; Q8N3N0; Q8N7J9; A2A2W7; A6NFX7; B4DZ34
Molecular Weight	134kDa
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
NCBI Protein Information	diacylglycerol kinase eta
UniProt Protein Name	Diacylglycerol kinase eta
UniProt Gene Name	DGKH
UniProt Synonym Gene Names	DAG kinase eta; DGK-eta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.