

Rabbit anti-Human DGKD Polyclonal Antibody | anti-DGKD antibody

DGKD Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321160	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

DGKD; Polyclonal Antibody; DGKD Antibody; 130 kDa diacylglycerol kinase; DAG kinase delta; DGK delta; DGK-delta; DGKD_HUMAN; DGKdelta; Diacylglycerol kinase delta; Diglyceride kinase delta; FLJ26930; KIAA0145; anti-DGKD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	DGKD antibody detects endogenous levels of DGKD
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1170
Applicable Applications for anti-DGKD antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DGKD
Tissue Specificity	Isoform 2 is ubiquitously expressed also in tumor tissues. Isoform 1 is expressed in ovary, spleen and some tumor-derived cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on HuvEc cell lysate using DGKD Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321160 staining HuvEc 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-DGKD antibody	Description: This gene encodes a cytoplasmic enzyme which phosphorylates diacylglycerol to produce phosphatidic acid. Diacylglycerol and phosphatidic acid are two lipids which act as second messengers in signaling cascades. Their cellular concentrations are regulated by this enzyme, and so it is thought to play an important role in cellular signal transduction. Alternative splicing results in two transcript variants encoding different isoforms. Function: May function as signaling molecule. Subunit Structure: The two isoforms are able to form homo-and hetero-oligomer structures (at least tetramers). Isoform 2 interacts with AP2A2. Post-translational Modifications: Isoform 1 H domain is phosphorylated. Similarity: Belongs to the eukaryotic diacylglycerol kinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25777596
NCBI GeneID	8527
NCBI Accession #	NP_003639.2
NCBI GenBank Nucleotide #	NM_003648.2
UniProt Accession #	Q16760; Q14158; Q6PK55; Q8NG53
Molecular Weight	Observed: 135 kDa Predicted: 135 kDa
NCBI Official Full Name	diacylglycerol kinase delta isoform 1
NCBI Official Synonym Full Names	diacylglycerol kinase delta
NCBI Official Symbol	DGKD
NCBI Official Synonym Symbols	dgkd-2; DGKdelta
NCBI Protein Information	diacylglycerol kinase delta
UniProt Protein Name	Diacylglycerol kinase delta
UniProt Gene Name	DGKD
UniProt Synonym Gene Names	KIAA0145; DAG kinase delta; DGK-delta

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.