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

DGKQ Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323912	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

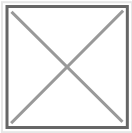
DGKQ; Polyclonal Antibody; DGKQ Antibody; DAG kinase theta; DAGK4; DAGK7; DGK theta; DGK-theta; Dgkq; DGKQ_HUMAN; Diacylglycerol kinase delta (110kD); Diacylglycerol kinase theta 110kDa; Diacylglycerol kinase theta; Diglyceride kinase theta; anti-DGKQ antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	DGKQ antibody detects endogenous levels of total DGKQ
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	942
Applicable Applications for anti-DGKQ antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus; Cytoskeleton; Plasma Membrane
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IF (Immunofluorescence)
AAA323912 staining HT29 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.



WB (Western Blot)
Western blot analysis of extracts from HT-29 cells, using DGKQ antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DGKQ antibody	Function: Phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA). May regulate the activity of protein kinase C by controlling the balance between these two signaling lipids. Activated in the nucleus in response to alpha-thrombin and nerve growth factor (By similarity). May be involved in cAMP-induced activation of NR5A1 and subsequent steroidogenic gene transcription by delivering PA as ligand for NR5A1. Acts synergistically with NR5A1 on CYP17 transcriptional activity. Subunit Structure: Interacts with RHOA (constitutively activated, GTP-bound); the interaction inhibits DGKQ. Interacts with PRKCE. Interacts with PRKCH. Interacts with PLCB1. Interacts with NR5A1; the interaction requires the LXXLL motif 1 and LXXLL motif 2 in DGKQ. Post-translational Modifications: Phosphorylated by PRKCE and PRKCH in vitro. Similarity: The L-X-X-L-L repeats are implicated in binding to the nuclear receptor NR5A1. Belongs to the eukaryotic diacylglycerol kinase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40806175
NCBI GeneID	1609
NCBI Accession #	NP_001338.2
NCBI GenBank Nucleotide #	NM_001347.3
UniProt Accession #	P52824; Q6P3W4
Molecular Weight	Observed: 101 kD Predicted: 102 kDa
NCBI Official Full Name	diacylglycerol kinase theta
NCBI Official Synonym Full Names	diacylglycerol kinase theta
NCBI Official Symbol	DGKQ
NCBI Official Synonym Symbols	DAGK; DAGK4; DAGK7
NCBI Protein Information	diacylglycerol kinase theta
UniProt Protein Name	Diacylglycerol kinase theta
UniProt Gene Name	**DGKQ**
UniProt Synonym Gene Names	DAGK4; DAG kinase theta; DGK-theta

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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/dgkq-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323912