

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

DGKQ Antibody (C-term)

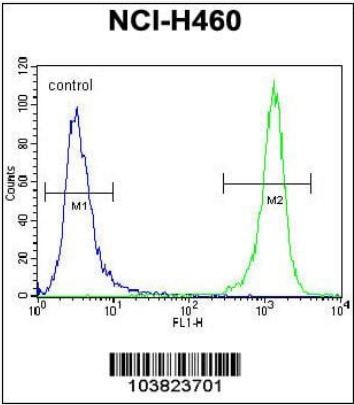
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288271	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

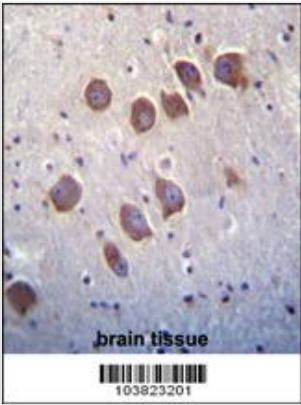
DGKQ; Polyclonal Antibody; DGKQ Antibody (C-term); Diacylglycerol kinase theta; DAG kinase theta; Diglyceride kinase theta; DGK-theta; DAGK4; anti-DGKQ antibody

PRODUCT SPECIFICATIONS

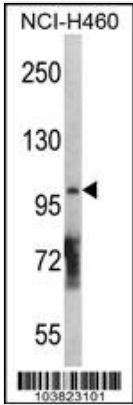
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DGKQ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 912-942 amino acids from the C-terminal region of human DGKQ.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	912-942
Sequence Length	942
Applicable Applications for anti-DGKQ antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
DGKQ Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
DGKQ Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of DGKQ Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
DGKQ Antibody (R927) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the DGKQ antibody detected the DGKQ protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DGKQ antibody	Diacylglycerol (DAG) is an allosteric activator of protein kinase C. DAG also participates in regulating RAS and RHO family proteins by activating the guanine nucleotide exchange factors VAV and RASGRP1. DAG is also involved in the synthesis of phospholipids and triacylglycerols. Tight regulation of DAG levels is achieved via DAG kinases (DGKs), which remove DAG by phosphorylate it to phosphatidic acid.The predicted 882-amino acid human DGKQ (DGK-theta) protein is 90% identical in sequence to the rat homolog. DGK-theta is comprised of a pleckstrin homology domain and the conserved DGK putative catalytic domain. In contrast to other DGK isotypes, DGK-theta contains 3 rather than 2 cysteine-rich zinc-binding domains, an N-terminal proline- and glycine-rich region, and a RAS-associating domain. Highest tissue expression in the rat is in the brain. Defects in eye-specific DAGK genes cause retinal degeneration in Drosophila; thus, DAGK genes are candidates for human eye disease.
Product Categories/Family for anti-DGKQ antibody	Signal Transduction
References	Pilz, A., et al., Genomics 26(3):599-601 (1995).

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	101155
NCBI Official Full Name	diacylglycerol kinase theta
NCBI Official Synonym Full Names	diacylglycerol kinase, theta 110kDa
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
UniProt Entry Name	DGKQ_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/dgkq-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288271>