

DGKK Rabbit pAb

Catalog # AP99356

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5KSL6
Other Accession	Q5KSL6
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	141829
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DGKK
Epitope Specificity	181-280/1271
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the eukaryotic diacylglycerol kinase family. Contains 1 DAGKc domain. Contains 1 PH domain. Contains 2 phorbol-ester/DAG-type zinc fingers.
SUBUNIT	Does not form homooligomers.
Post-translational modifications	Phosphorylated at Tyr-78 by some member of the SRC family in response to H(2)O(2).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is an enzyme that phosphorylates diacylglycerol, converting it to phosphatidic acid. The encoded protein is a membrane protein and is inhibited by hydrogen peroxide. Variations in this gene have been associated with hypospadias. [provided by RefSeq, Mar 2011]

Additional Information

Gene ID	139189
Other Names	Gm360; DGKK_HUMAN; DGKK; DAG kinase kappa; DGK-kappa; 142 kDa diacylglycerol kinase; Diglyceride kinase kappa; 2.7.1.107; diacylglycerol kinase kappa
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DGKK (HGNC:32395)
Function	Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed: 16210324 , PubMed: 23949095). Thereby, acts as a central switch between the signaling pathways activated by these second messengers with different cellular targets and opposite effects in numerous biological processes (Probable).
Cellular Location	Cell membrane; Peripheral membrane protein
Tissue Location	Expressed in testis, and to a lesser extent in placenta.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.