

Product Name: DGK- β Rabbit Polyclonal Antibody
Catalog #: APRab09947



Summary

Production Name	DGK- β Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DGKB
Alternative Names	DGKB; DAGK2; KIAA0718; Diacylglycerol kinase beta; DAG kinase beta; 90 kDa diacylglycerol kinase; Diglyceride kinase beta; DGK-beta
Gene ID	1607.0
SwissProt ID	Q9Y6T7.The antiserum was produced against synthesized peptide derived from human DGKB. AA range:657-706

Application

Dilution Ratio	WB 1:500-1:2000, ELISA 1:40000.Not yet tested in other applications.
Molecular Weight	90kDa

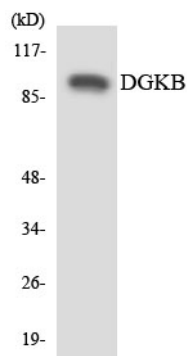
Background

Diacylglycerol kinases (DGKs) are regulators of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isotypes have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (kinase) domain and a cysteine-rich domain (CRD). The protein encoded by this gene is a diacylglycerol kinase, beta isotype. Two alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008],catalytic activity:ATP + 1,2-diacylglycerol = ADP + 1,2-diacyl-sn-glycerol 3-phosphate.,enzyme regulation:Stimulated by phosphatidylserine.,function:Exhibits high phosphorylation activity for long-chain diacylglycerols.,similarity:Belongs to the eukaryotic diacylglycerol kinase family.,similarity:Contains 1 DAGKc domain.,similarity:Contains 2 EF-hand domains.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,

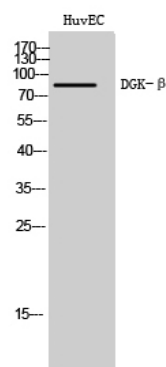
Research Area

Glycerolipid metabolism;Glycerophospholipid metabolism;Phosphatidylinositol signaling system;

Image Data



Western blot analysis of the lysates from HUVEC cells using DGKB antibody.



Western Blot analysis of HUVEC cells using DGK- β Polyclonal Antibody

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Note

For research use only.