

Summary

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

Performance

Conjugation	Unconjugated
Modification	Unmodified
lsotype	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% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DGKE
Alternative Names	DGKE; DAGK5; Diacylglycerol kinase epsilon; DAG kinase epsilon; Diglyceride kinase
	epsilon; DGK-epsilon
Gene ID	8526.0
SwissProt ID	P52429.The antiserum was produced against synthesized peptide derived from human
	DGKE. AA range:161-210

Application

Dilution Ratio	WB 1:500-1:2000. ELISA: 1:5000.
Molecular Weight	60kD

Background



Diacylglycerol kinases are thought to be involved mainly in the regeneration of phosphatidylinositol (PI) from diacylglycerol in the PI-cycle during cell signal transduction. When expressed in mammalian cells, DGK-epsilon shows specificity for arachidonyl-containing diacylglycerol. DGK-epsilon is expressed predominantly in testis. [provided by RefSeq, Jul 2008],catalytic activity:ATP + 1,2-diacylglycerol = ADP + 1,2-diacyl-sn-glycerol 3-phosphate.,function:Highly selective for arachidonate-containing species of diacylglycerol (DAG). May terminate signals transmitted through arachidonoyl-DAG or may contribute to the synthesis of phospholipids with defined fatty acid composition.,similarity:Belongs to the eukaryotic diacylglycerol kinase family.,similarity:Contains 1 DAGKc domain.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,tissue specificity:Expressed predominantly in testis.,

Research Area

Glycerolipid metabolism; Glycerophospholipid metabolism; Phosphatidylinositol signaling system;

Image Data



Western blot analysis of lysates from K562 cells, using DGKE Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.