

DGK- ϵ Polyclonal Antibody

Catalog No :	YT1334
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	DGK- ϵ
Fields :	>>Glycerolipid metabolism;>>Glycerophospholipid metabolism;>>Metabolic pathways;>>Phosphatidylinositol signaling system;>>Phospholipase D signaling pathway;>>Choline metabolism in cancer
Gene Name :	DGKE
Protein Name :	Diacylglycerol kinase epsilon
Human Gene Id :	8526
Human Swiss Prot No :	P52429
Mouse Gene Id :	56077
Mouse Swiss Prot No :	Q9R1C6
Immunogen :	The antiserum was produced against synthesized peptide derived from human DGKE. AA range:161-210
Specificity :	DGK- ϵ Polyclonal Antibody detects endogenous levels of DGK- ϵ protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	60kD
Cell Pathway :	Glycerolipid metabolism;Glycerophospholipid metabolism;Phosphatidylinositol signaling system;
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],
Function :	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.,
Subcellular Location :	Membrane ; Single-pass membrane protein . Cytoplasm .
Expression :	Expressed predominantly in testis. Expressed in endothelium, platelets and podocytes (at protein level).

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