

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

P52429

Q9R1C6

Human Gene Id: 8526

Human Swiss Prot

No:

Mouse Gene Id: 56077

Mouse Swiss Prot

No:

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.,

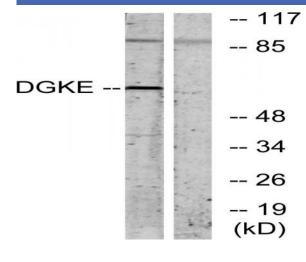
Subcellular Location:

Membrane ; Single-pass membrane protein . Cytoplasm .

Expression: Expressed predominantly in testis. Expressed in endothelium, platelets and

podocytes (at protein level).

Products Images



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