

## **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.,

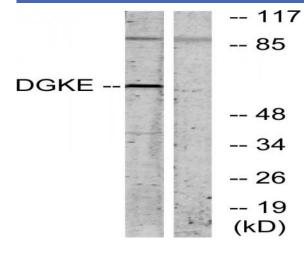
Subcellular Location:

 $Membrane\ ; Single-pass\ membrane\ protein\ .\ Cytoplasm\ .$ 

**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.