

产品名称: DGK-η Rabbit Polyclonal Antibody  
产品货号: APRab09951



## 产品概述 (Summary)

|                        |                                  |
|------------------------|----------------------------------|
| 产品名称 (Production Name) | DGK-η Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody       |
| 宿主 (Host)              | Rabbit                           |
| 应用 (Application)       | IHC, ICC, IF, ELISA              |
| 种属反应性 (Reactivity)     | Human, Mouse                     |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | DGKH                                                                                                      |
| 别名 (Alternative Names) | DGKH; Diacylglycerol kinase eta; DAG kinase eta; Diglyceride kinase eta; DGK-eta                          |
| 基因 ID (Gene ID)        | 160851.0                                                                                                  |
| 蛋白 ID (SwissProt ID)   | Q86XP1. The antiserum was produced against synthesized peptide derived from human DGKH. AA range: 771-820 |

## 产品应用 (Application)

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | IHC 1:100-1:300, ICC/IF 1:200-1:1000, ELISA 1:10000-1:20000 |
| 蛋白分子量 (Molecular Weight) |                                                             |

产品名称: DGK-η Rabbit Polyclonal Antibody  
产品货号: APRab09951



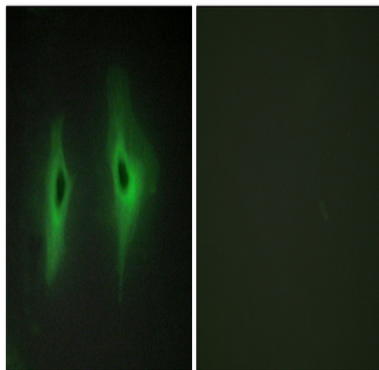
## 研究背景 (Background)

diacylglycerol kinase eta(DGKH) Homo sapiens This gene encodes a member of the diacylglycerol kinase (DGK) enzyme family. Members of this family are involved in regulating intracellular concentrations of diacylglycerol and phosphatidic acid. Variation in this gene has been associated with bipolar disorder. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Jul 2014],catalytic activity:ATP + 1,2-diacylglycerol = ADP + 1,2-diacyl-sn-glycerol 3-phosphate.,function:Phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA).,PTM:Phosphorylated; does not inhibit catalytic activity.,similarity:Belongs to the eukaryotic diacylglycerol kinase family.,similarity:Contains 1 DAGKc domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,subcellular location:Translocated from the cytoplasm to endosomes in response to stress stimuli. Isoform 2 is rapidly relocated back to the cytoplasm upon removal of stress stimuli, whereas isoform 1 exhibits sustained endosomal association.,subunit:Isoform 1 forms homooligomers through the SAM domain. Isoform 1 is also able to form heterooligomers with SAM domain-containing isoforms of DGKD. Oligomerization of isoform 1 inhibits its catalytic activity.,tissue specificity:Isoform 2 is ubiquitously expressed. Isoform 1 is expressed only in testis, kidney and colon.,

## 研究领域 (Research Area)

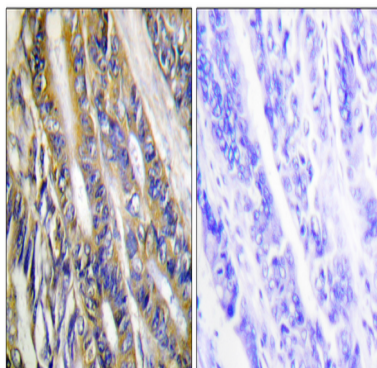
Glycerolipid metabolism;Glycerophospholipid metabolism;Phosphatidylinositol signaling system;

## 图片 (Image Data)



Immunofluorescence analysis of HeLa cells, using DGKH Antibody. The picture on the right is blocked with the synthesized peptide.

**产品名称: DGK-η Rabbit Polyclonal Antibody**  
**产品货号: APRab09951**



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using DGKH Antibody. The picture on the right is blocked with the synthesized peptide.

#### **注意事项 (Note)**

For research use only .