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DGK-α Polyclonal Antibody
Catalog # AP69514

Specification

DGK-α Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	P23743
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

DGK-α Polyclonal Antibody - Additional Information

Gene ID 1606

Other Names
DGKA; DAGK; DAGK1; Diacylglycerol kinase alpha; DAG kinase alpha; 80 kDa diacylglycerol kinase; Diglyceride kinase alpha; DGK-alpha

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

DGK-α Polyclonal Antibody - Protein Information

Name DGKA

Synonyms DAGK, DAGK1

Function
Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed:15544348, PubMed:2175712). Thereby, acts as a central switch between the signaling pathways activated by these second messengers with different cellular targets and opposite effects in numerous biological processes (PubMed:15544348, PubMed:2175712). Also plays an important role in the biosynthesis of complex lipids (Probable). Can also phosphorylate 1-alkyl-2-acylglycerol in vitro as efficiently as diacylglycerol provided it contains an arachidonoyl group (PubMed:15544348). Also involved in the production of alkyl-lysophosphatidic acid, another bioactive lipid, through the

phosphorylation of 1-alkyl-2-acetyl glycerol (PubMed:22627129).

Cellular Location
Cytoplasm, cytosol.

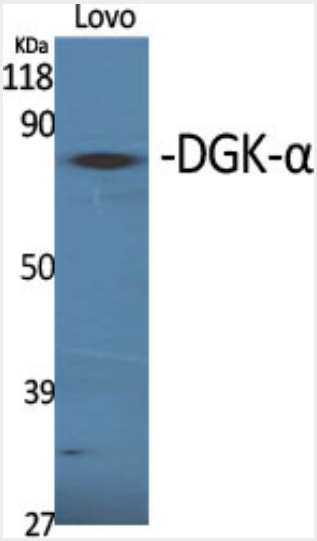
Tissue Location
Expressed in lymphocytes.

DGK-α Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DGK-α Polyclonal Antibody - Images



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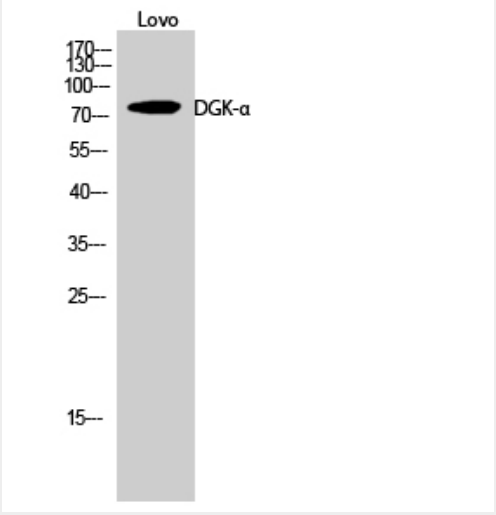

DGK-α Polyclonal Antibody - Background

Upon cell stimulation converts the second messenger diacylglycerol into phosphatidate, initiating the resynthesis of phosphatidylinositols and attenuating protein kinase C activity.