

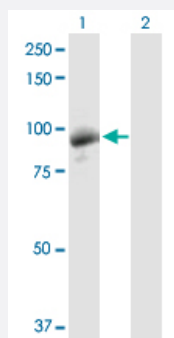
MaxPab®

# DGKG purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001608-D01P

Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of DGKG expression in transfected 293T cell line ([H00001608-T02](#)) by DGKG MaxPab polyclonal antibody.

Lane 1: DGKG transfected lysate(86.30 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human DGKG protein.

### Immunogen

DGKG (NP\_001074213.1, 1 a.a. ~ 766 a.a) full-length human protein.

### Sequence

MGEERWVSLTPEEFDQLQKYSEYSSKKIKDALTEFNEGGSLKQYDPHEPISYDVFKLFMRAYLEV  
DLPQPLSTHLFLAFSQKPRHETSDHPTGASNSEANSADTNIQNADNATKADEACAPDTESNMA  
EKQAPAEQVAAATPEPPVPRSSSESPVVYLKDVVCYLSLLETGRPQDKLEFMFRLYDSDENG  
LLDQAEMDCV/NQMLHIAQYLEWDPTELRLKEMLGQMDYDRDGFVSLQEWVHGGMTTIPLLVL  
LGMDDSGSKGDGRHAWTMKHFKPTYCNFCHIMLMGVRKQGLCCTYCKYTVHERCVSRNIPGC  
VKTYSAKRSGEVMQHAWVEGNSSVKCDRCHKSIKCYQSVTARHCVWCRMTFHRKCELSTLC  
DGGELRDHILLPTSICPITRDRPGEKSDGCVSAKGELVMQYKIPTPGTHPLLVLNPKSGGRQGER  
LNFFRDTPDFRVLACGGDGTVGWILDCIDKANFAKHPPVAVLPLGTGNDLARCLRWGGGYEGGS  
LTKILKDIEQSPLVMLDRWHLEVIPREEVENDQVPYSIMNNYFSIGVDASIAHRFHMREKHPEKF  
NSRMKNKLWYFEFGTSETFAATCKKLHDHIELECDGVGVDLNIFLEGAILNIPSMYGGTNLWGEN  
KKNRAVIRESRKGVTDPKELKFCVQDLSDQLLEVVGLEGAMEMGQIYTGLKSAGRRLAQCASVTI  
RTNKLLPMQVDGEPWMQPCCTIKITHKNQAPMMMGPQKSSFFSLRRKSRSKD

### Host

Rabbit

### Reactivity

Human

### Quality Control Testing

Antibody reactive against mammalian transfected lysate.

**Storage Buffer**

In 1x PBS, pH 7.4

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

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[Protocol Download](#)

## Gene Info — DGKG

**Entrez GeneID**
[1608](#)
**GeneBank Accession#**
[BC089411](#)
**Protein Accession#**
[NP\\_001074213.1](#)
**Gene Name**

DGKG

**Gene Alias**

DAGK3, DGK-GAMMA, MGC104993, MGC133330

**Gene Description**

diacylglycerol kinase, gamma 90kDa

**Omim ID**
[601854](#)
**Gene Ontology**
[Hyperlink](#)
**Gene Summary**

This gene encodes an enzyme that is a member of the type I subfamily of diacylglycerol kinases, which are involved in lipid metabolism. These enzymes generate phosphatidic acid by catalyzing the phosphorylation of diacylglycerol, a fundamental lipid second messenger that activates numerous proteins, including protein kinase C isoforms, Ras guanyl nucleotide-releasing proteins and some transient receptor potential channels. Diacylglycerol kinase gamma has been implicated in cell cycle regulation and in the negative regulation of macrophage differentiation in leukemia cells. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

DAG kinase gamma|diacylglycerol kinase gamma|diacylglycerol kinase gamma|diglyceride kinase gamma

## Pathway

- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

## Disease

- [Asthma](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)