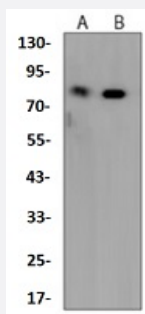


RecomAb™

## DGKA recombinant monoclonal antibody

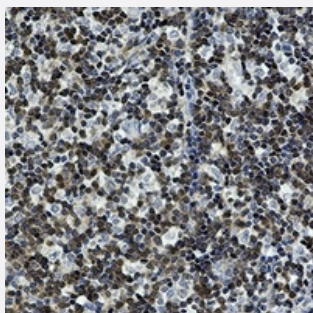
Catalog # RAB02585      Size 100 uL

### Applications



#### Western Blot (Cell lysate)

Western blot analysis of Hela (A), A549 (B) whole cell lysates with DGKA recombinant monoclonal antibody (Cat # RAB02585).



#### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human tonsil formalin fixed paraffin embedded tissue section using DGKA recombinant monoclonal antibody (Cat # RAB02585). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.127). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

### Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human DGKA.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein of human DGKA.
Theoretical MW (kDa)	80
Reactivity	Human

<b>Specificity</b>	Recognizes endogenous levels of DGK alpha protein.
<b>Form</b>	Liquid
<b>Purification</b>	Immunogen affinity chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000)
<b>Storage Buffer</b>	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
<b>Storage Instruction</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of Hela (A), A549 (B) whole cell lysates with DGKA recombinant monoclonal antibody (Cat # RAB02585).

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- Immunoprecipitation

## Gene Info — DGKA

<b>Entrez GeneID</b>	<a href="#">1606</a>
<b>Protein Accession#</b>	<a href="#">P23743</a>
<b>Gene Name</b>	DGKA
<b>Gene Alias</b>	DAGK, DAGK1, DGK-alpha, MGC12821, MGC42356

Gene Description	diacylglycerol kinase, alpha 80kDa
Omim ID	<a href="#">125855</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intra cellular signaling pathways. It also plays an important role in the resynthesis of phosphatidylinositol and phosphorylating diacylglycerol to phosphatidic acid. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified. [provided by RefSeq]
Other Designations	diacylglycerol kinase alpha diacylglycerol kinase, alpha (80kD)

## Pathway

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