

For Research Use Only

# DGKE Polyclonal antibody

Catalog Number: 11900-1-AP

3 Publications



## Basic Information

<b>Catalog Number:</b> 11900-1-AP	<b>GenBank Accession Number:</b> BC022297	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 850 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8526	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P52429	
<b>Isotype:</b> IgG	<b>Full Name:</b> diacylglycerol kinase, epsilon 64kDa	
<b>Immunogen Catalog Number:</b> AG2512	<b>Calculated MW:</b> 64 kDa	
	<b>Observed MW:</b> 60-64 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, Jurkat cells, mouse brain tissue, rat brain tissue IHC : human colon cancer tissue, IF/ICC : A431 cells,
<b>Cited Applications:</b> WB, IHC, IP, IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

DGKE(Diacylglycerol kinase epsilon) is also named as DAGK5 and belongs to the eukaryotic diacylglycerol kinase family. It may be involved mainly in the regeneration of phosphatidylinositol (PI) from diacylglycerol in the PI-cycle during cell signal transduction(PMID:16689942). When expressed in mammalian cells, DGK-epsilon showed specificity for arachidonyl-containing diacylglycerol.

## Notable Publications

Author	Pubmed ID	Journal	Application
Di Wu	36415997	Obesity (Silver Spring)	WB
Arpad Palfi	27527066	Sci Rep	IHC
Milena Krajewska	38056763	Biochim Biophys Acta Mol Cell Biol Lipids	WB,IF,IP

## Storage

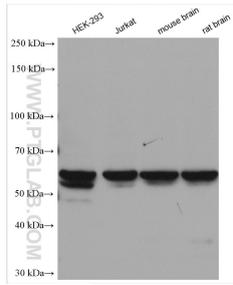
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

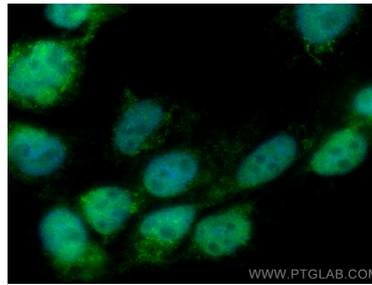
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

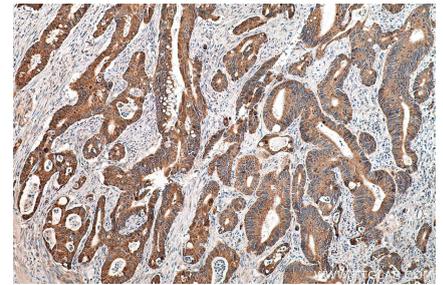
## Selected Validation Data



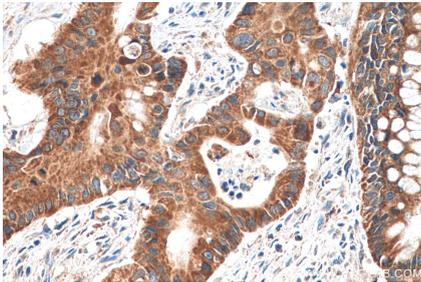
Various lysates were subjected to SDS PAGE followed by western blot with 11900-1-AP (DGKE antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



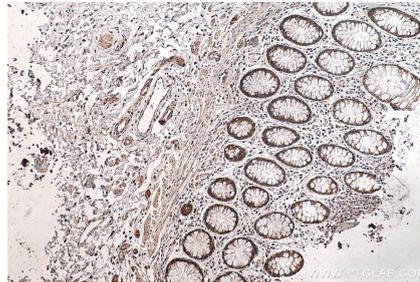
Immunofluorescent analysis of (4% PFA) fixed A431 cells using DGKE antibody (11900-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11900-1-AP (DGKE antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11900-1-AP (DGKE antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11900-1-AP (DGKE antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).