

For Research Use Only

# DGKH Polyclonal antibody

Catalog Number: 13873-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

13873-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4926

### GenBank Accession Number:

BC043292

### GeneID (NCBI):

160851

### UNIPROT ID:

Q86XP1

### Full Name:

diacylglycerol kinase, eta

### Calculated MW:

1100 aa, 122 kDa

### Observed MW:

135 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : mouse brain tissue,

IP : mouse brain tissue,

IHC : human testis tissue,

IF/ICC : SH-SY5Y cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

DGKH(Diacylglycerol kinase eta) is also named as DGK-eta and belongs to the eukaryotic diacylglycerol kinase family. It is a key protein in the lithium-sensitive phosphatidyl inositol pathway, and recently a link between environmental stress and schizophrenia/bipolar disorder has been revealed. DGKH has some isoforms produced by alternative splicing. Two isoforms DGKH1 and DGKH2 with the molecular weight of 128 kDa and 135 kDa shows diacylglycerol kinase activity; however, the 2 isoforms differed in several other characteristics(PMID:12810723).

## Notable Publications

Author	Pubmed ID	Journal	Application
Takako Usuki	25362140	J Histochem Cytochem	WB
Yimin Sun	36366731	Cancer Med	WB
Takao Shionoya	25613821	BMC Dev Biol	WB

## 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

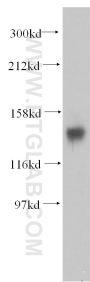
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

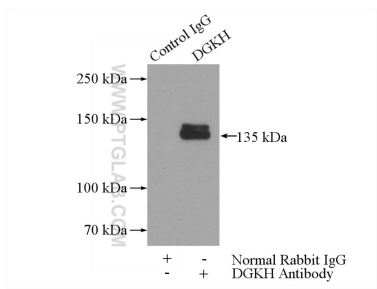
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

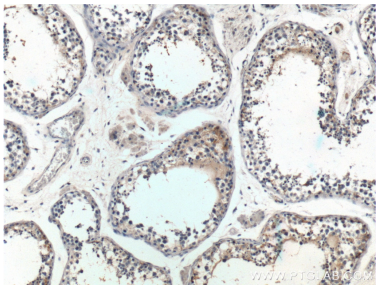
## Selected Validation Data



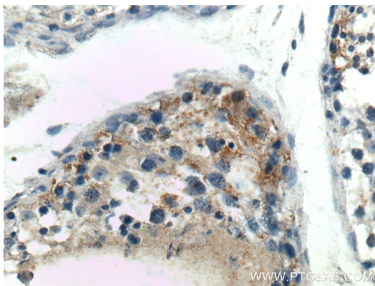
mouse brain tissue were subjected to SDS PAGE followed by western blot with 13873-1-AP (DGKH antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



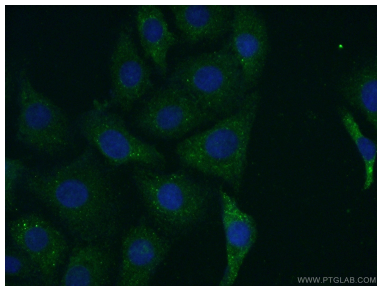
IP result of anti-DGKH (IP:13873-1-AP, 5ug; Detection:13873-1-AP 1:500) with mouse brain tissue lysate 2640ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 13873-1-AP (DGKH Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 13873-1-AP (DGKH Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Acetone) fixed SH-SY5Y cells using 13873-1-AP (DGKH antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).