

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 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4926

GenBank Accession Number:

BC043292

GeneID (NCBI):

160851

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 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB: mouse brain tissue,

IP: mouse brain tissue,

IHC: human testis tissue,

IF: 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

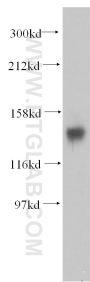
For technical support and original validation data for this product please contact:

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

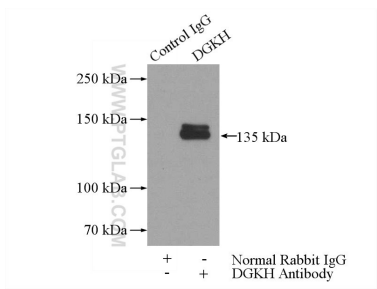
E: proteintech@ptglab.com
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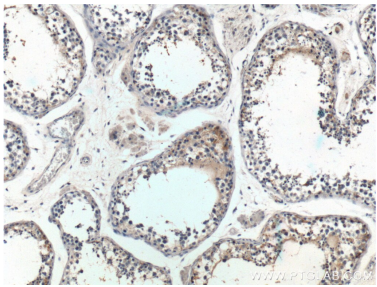
Selected Validation Data



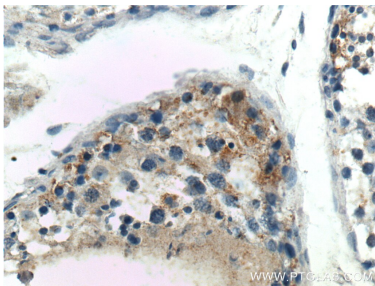
mouse brain tissue were subjected to SDS PAGE followed by western blot with 13873-1-AP (DGKH antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



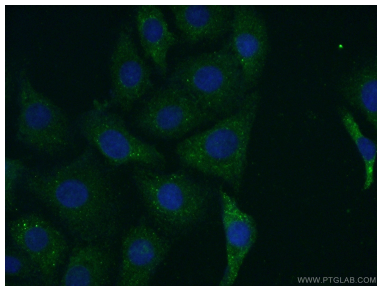
IP Result of anti-DGKH (IP:13873-1-AP, 5ug; Detection:13873-1-AP 1:500) with mouse brain tissue lysate 2640ug.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).