

For Research Use Only

DGKA Polyclonal antibody

Catalog Number: 11547-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

11547-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2075

GenBank Accession Number:

BC023523

GeneID (NCBI):

1606

UNIPROT ID:

P23743

Full Name:

diacylglycerol kinase, alpha 80kDa

Calculated MW:

735 aa, 83 kDa

Observed MW:

83 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

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, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IP, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : Jurkat cells, HeLa cells, MOLT-4 cells, human cerebellum tissue, HEK-293 cells, mouse cerebellum tissue

IP : Jurkat cells,

IHC : human gliomas tissue, human brain tissue

IF/ICC : Jurkat 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

DGKA(Diacylglycerol kinase alpha) is also named as DAGK, DAGK1 and belongs to the eukaryotic diacylglycerol kinase family, which is suggested to attenuate diacylglycerol-induced cell responses through the phosphorylation of this second messenger to phosphatidic acid. DGKA regulates the secretion of lethal exosomes bearing Fas ligand during activation-induced cell death of T lymphocytes.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|---------------------------|-------------|
| Naoki Okada | 34482409 | Cancer Immunol Immunother | IHC |
| Yi Kong | 27498782 | Oncol Rep | IHC |
| David Novo | 30498210 | Nat Commun | |

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

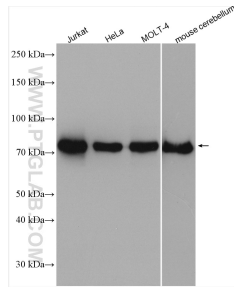
For technical support and original validation data for this product please contact:

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

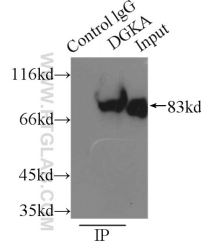
E: proteintech@ptglab.com
W: ptglab.com

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

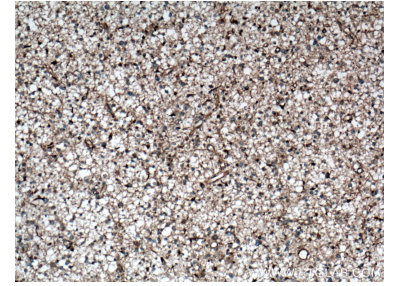
Selected Validation Data



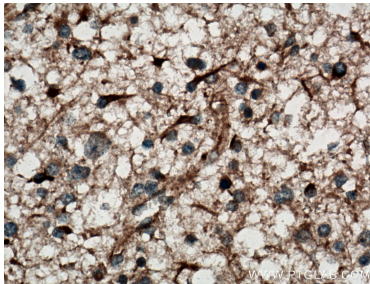
Various lysates were subjected to SDS PAGE followed by western blot with 11547-1-AP (DGKA antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



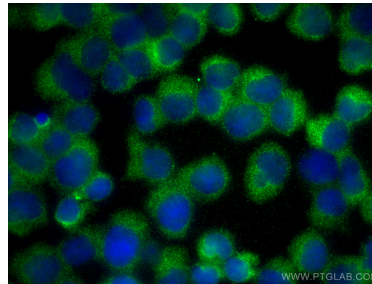
IP result of anti-DGKA (IP:11547-1-AP, 3ug; Detection:11547-1-AP 1:1000) with Jurkat cells lysate 1500ug.



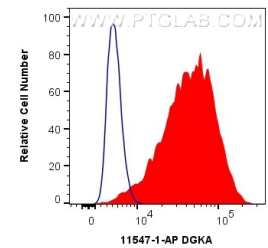
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11547-1-AP (DGKA antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11547-1-AP (DGKA antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using DGKA antibody (11547-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human DGKA (11547-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).