DGKA Polyclonal ANTIBODY

Catalog Number: 11547-1-AP

Basic Information

Catalog Number: 11547-1-AP

Size: 150μL, 170 μg/ml

Source: Rabbit

Isotype: IgG

Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG2075

GenBank Accession Number: BC023523

GeneID (NCBI): 1606

Full Name: diacylglycerol kinase, alpha 80kDa

Calculated MW: 735aa, 83 kDa

Observed MW: 83 kDa

Recommended Dilutions:

WB: 1:500-1:2000
IP: 0.5-4.0 μg for IP and 1:500-1:2000 for WB
IHC: 1:50-1:500

Applications

Tested Applications: IHC, IP, WB, ELISA

Cited Applications: IHC, WB

Species Specificity: human, mouse, rat

Cited Species: human, mouse

Positive Controls:

WB: mouse cerebellum tissue; HEK-293 cells, HeLa cells, human cerebellum tissue, Jurkat cells
IP: Jurkat cells;
IHC: human gliomas tissue; human brain tissue

Applications

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

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<th>Author</th>
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<tr>
<td>Yi Kong</td>
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<td>David Novo</td>
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<td>Christoph Weigel</td>
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Storage

Storage: Store at -20°C. Stable for one year after shipment.

Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

**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 retrieved with Tris-EDTA buffer(pH9).

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 retrieved with Tris-EDTA buffer(pH9).

**Mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 11547-1-AP (DGKA Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.**