

For Research Use Only

DGKZ Recombinant antibody

Catalog Number: 84830-5-RR



Basic Information

| | | |
|--|---|--|
| Catalog Number: 84830-5-RR | GenBank Accession Number: NM_001199267.1 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 8525 | CloneNo.: 241444A2 |
| Source: Rabbit | UNIPROT ID: Q13574 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000 IF/ICC 1:200-1:800 |
| Isotype: IgG | Full Name: diacylglycerol kinase, zeta 104kDa | |
| Immunogen Catalog Number: AG37336 | Calculated MW: 104kDa 928aa | |
| | Observed MW: 104-124 kDa | |

Applications

| | |
|--|---|
| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: human, mouse, rat | WB : rat brain tissue, mouse brain tissue |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IHC : mouse brain tissue, rat brain tissue |
| | IF/ICC : A431 cells, |

Background Information

Diacylglycerol kinase zeta (DGKZ), also known as DAGK5, DAGK6, DGK-ZETA, hDGKzeta, belongs to the diacylglycerol kinase (DGK) family which catalyzes diacylglycerol (DAG) into phosphatidic acid (PA). DGKZ is a novel promoter of metastasis and that it could be a potential prognostic indicator in patients with triple-negative breast cancer by suppressing lipid raft-dependent endocytosis of TGFbetaR2(PMID: 35115500). Downregulation of DGKZ suppresses tumorigenesis and progression of cervical cancer by facilitating cell apoptosis and cell cycle arrest(PMID: 33926342).

Storage

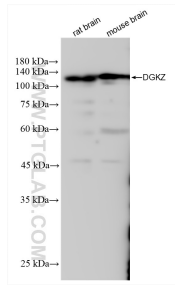
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

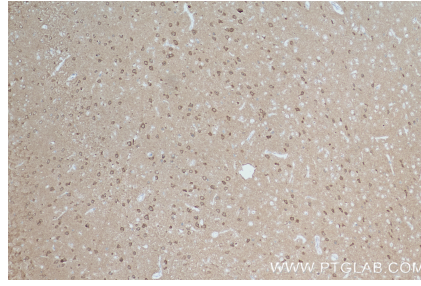
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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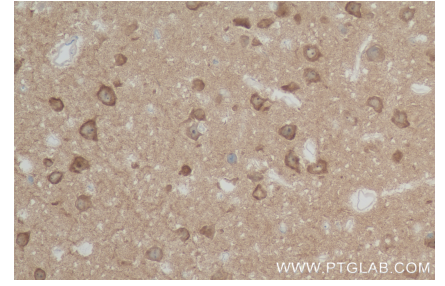
Selected Validation Data



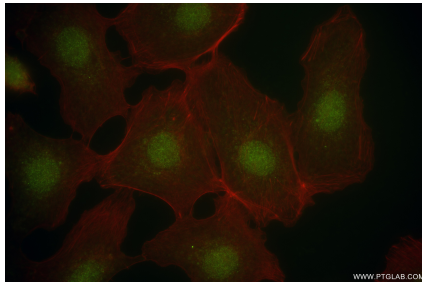
Various lysates were subjected to SDS PAGE followed by western blot with 84830-5-RR (DGKZ antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84830-5-RR (DGKZ antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84830-5-RR (DGKZ antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using DGKZ antibody (84830-5-RR, Clone: 241444A2) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).