

For Research Use Only

DGKZ Recombinant antibody, PBS Only

Catalog Number: 84830-5-PBS



Basic Information

Catalog Number: 84830-5-PBS	GenBank Accession Number: NM_001199267.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8525	CloneNo.: 241444A2
Source: Rabbit	UNIPROT ID: Q13574	
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, Indirect ELISA

Species Specificity:
human, mouse, rat

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

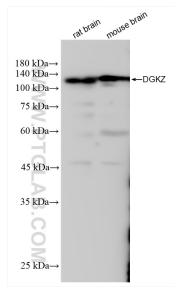
Storage:
Store at -80°C.

Storage Buffer:
PBS only

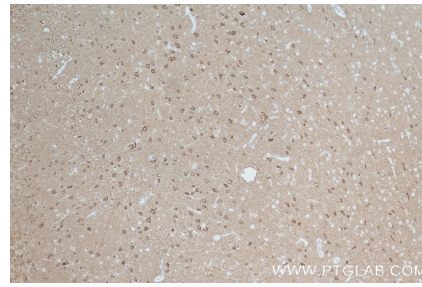
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

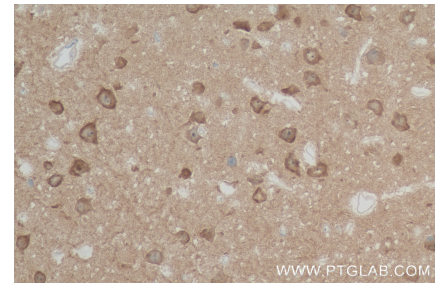
Selected Validation Data



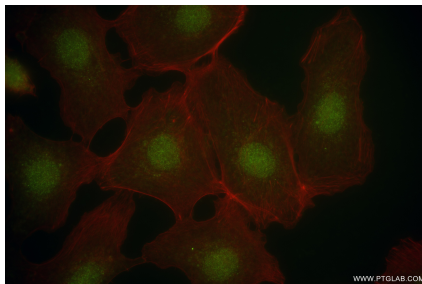
Various lysates were subjected to SDS PAGE followed by western blot with 84830-5-RR (DGKZ antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84830-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84830-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84830-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84830-5-PBS in a different storage buffer formulation.