

For Research Use Only

DGKZ Polyclonal antibody

Catalog Number: 32124-1-AP



Basic Information

Catalog Number: 32124-1-AP	GenBank Accession Number: NM_001199267.1	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 8525	Recommended Dilutions: WB 1:1000-1:8000 IF/ICC 1:200-1:800
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, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : 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

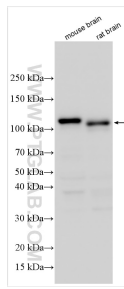
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

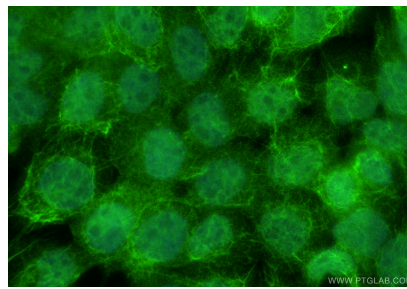
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32124-1-AP (DGKZ antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using DGKZ antibody (32124-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).