

For Research Use Only

PCYT2 Monoclonal antibody

Catalog Number: 68355-1-Ig



Basic Information

Catalog Number: 68355-1-Ig	GenBank Accession Number: BC000351	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5833	CloneNo.: 2F7G1
Source: Mouse	UNIPROT ID: Q99447	Recommended Dilutions: WB 1:5000-1:50000 IF 1:400-1:1600
Isotype: IgG2a	Full Name: phosphate cytidylyltransferase 2, ethanolamine	
Immunogen Catalog Number: AG6604	Calculated MW: 44 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications:
WB, IF, ELISA

Species Specificity:
Human

Positive Controls:
WB : LNCaP cells, HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, K-562 cells
IF : HepG2 cells,

Background Information

Ethanolamine-phosphate cytidylyltransferase (PCYT2) catalyzes the second step in the synthesis of phosphatidylethanolamine (PE) from ethanolamine via the CDP-ethanolamine pathway (PMID:9083101, PMID:31637422). Phosphatidylethanolamine is a dominant inner-leaflet phospholipid in cell membranes, where it plays a role in membrane function by structurally stabilizing membrane-anchored proteins, and participates in important cellular processes such as cell division, cell fusion, blood coagulation, and apoptosis (PMID:9083101).

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.

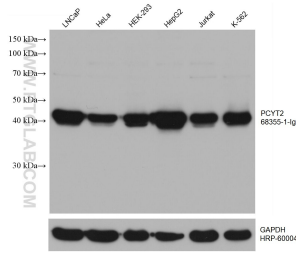
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

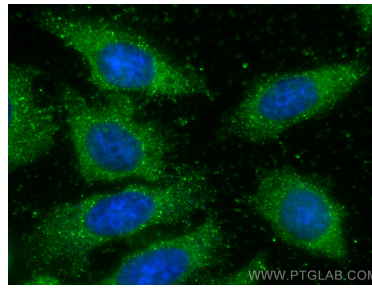
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68355-1-Ig (PCYT2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PCYT2 antibody (68355-1-Ig, Clone: 2F7G1) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).