

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 ug/ml by Nanodrop;	GeneID (NCBI): 5833	CloneNo.: 2F7G1
Source: Mouse	UNIPROT ID: Q99447	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:400-1:1600
Isotype: IgG2a	Full Name: phosphate cytidyltransferase 2, ethanolamine	
Immunogen Catalog Number: AG6604	Calculated MW: 44 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human	WB : LNCaP cells, HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, K-562 cells IF/ICC : HepG2 cells,

Background Information

Ethanolamine-phosphate cytidyltransferase (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

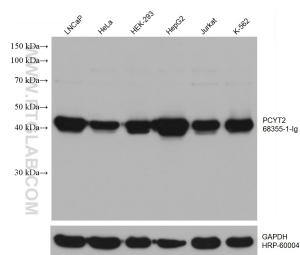
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

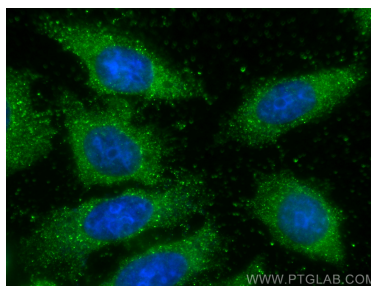
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 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 Goat Anti-Mouse IgG(H+L).