

For Research Use Only

PCYT2 Polyclonal antibody

Catalog Number: 14827-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 14827-1-AP	GenBank Accession Number: BC000351	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 260 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5833	Recommended Dilutions: WB 1:500-1:3000 IF 1:20-1:200
Source: Rabbit	Full Name: phosphate cytidyltransferase 2, ethanolamine	
Isotype: IgG	Calculated MW: 44 kDa	
Immunogen Catalog Number: AG6616	Observed MW: 44 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : human liver tissue, HepG2 cells, MCF-7 cells, mouse testis tissue
Species Specificity: human, mouse, rat	IF : HepG2 cells,
Cited Species: human, mouse	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhongliang Wei	36379282	Int J Biol Macromol	IF, WB
Shanshan Nie	31341492	Evid Based Complement Alternat Med	WB
Fumiko Umezawa	35743105	Int J Mol Sci	IHC

Storage

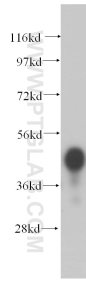
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

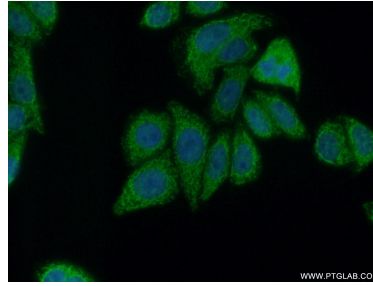
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 14827-1-AP (PCYT2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 14827-1-AP (PCYT2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).