

For Research Use Only

PCYT2 Polyclonal antibody

Catalog Number: 14827-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

14827-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6616

GenBank Accession Number:

BC000351

GeneID (NCBI):

5833

UNIPROT ID:

Q99447

Full Name:

phosphate cytidylyltransferase 2, ethanolamine

Calculated MW:

44 kDa

Observed MW:

44 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : human liver tissue, HepG2 cells, MCF-7 cells

IF/ICC : 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).

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

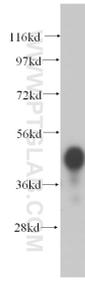
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

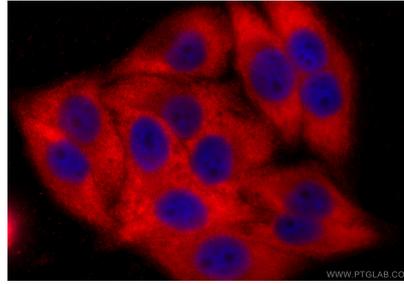
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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 (-20°C Ethanol) fixed HepG2 cells using PCYT2 antibody (14827-1-AP) at dilution of 1:400 and CoraLite® 594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).