

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

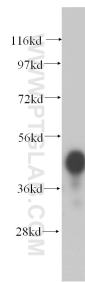
For technical support and original validation data for this product please contact:

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

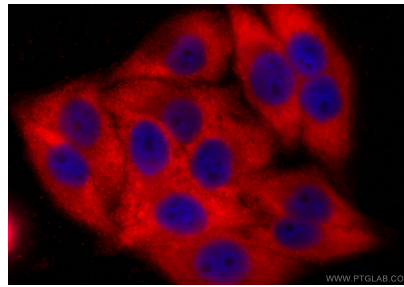
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## Selected Validation Data



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).