

For Research Use Only

# PCYT2 Monoclonal antibody

Catalog Number: 68355-1-Ig



## Basic Information

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

## Applications

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

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

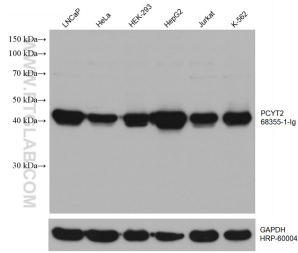
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

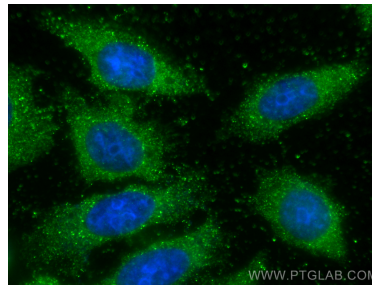
W: [ptgcn.com](http://ptgcn.com)

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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).