

For Research Use Only

PCYT2 Monoclonal antibody, PBS Only



Catalog Number: 68355-1-PBS

Basic Information

Catalog Number:

68355-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6604

GenBank Accession Number:

BC000351

GeneID (NCBI):

5833

UNIPROT ID:

Q99447

Full Name:

phosphate cytidyltransferase 2,
ethanolamine

Calculated MW:

44 kDa

Observed MW:

44 kDa

Purification Method:

Protein A purification

CloneNo.:

2F7G1

Applications

Tested Applications:

WB, IF, Indirect ELISA

Species Specificity:

Human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

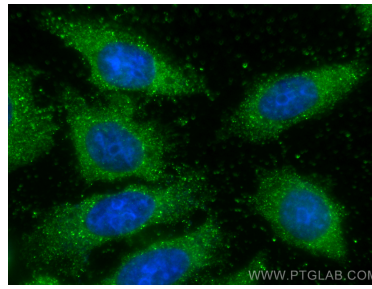
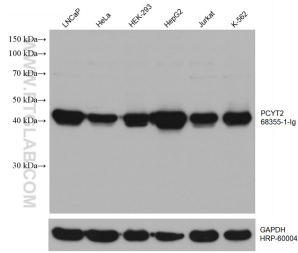
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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. This data was developed using the same antibody clone with 68355-1-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 68355-1-PBS in a different storage buffer formulation.