

For Research Use Only

PCYT1B/PCYT1A Polyclonal antibody

Catalog Number: 13765-1-AP

1 Publications



Basic Information

Catalog Number:

13765-1-AP

Concentration:

800 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4748

GenBank Accession Number:

BC045634

GeneID (NCBI):

9468

UNIPROT ID:

Q9Y5K3

Full Name:

phosphate cytidyltransferase 1, choline, beta

Calculated MW:

351 aa, 40 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:8000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB: LNCaP cells, human brain tissue

IP: human placenta tissue,

Background Information

PCYT1B (Phosphate Cytidyltransferase 1B, Choline), also named as CT β , CCTB and CCT-Beta, is encoded by the gene belongs to the cytidyltransferase family. It is involved in the regulation of phosphatidylcholine biosynthesis. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. PCYT1B encodes three isoforms of CT β (CT β 1, CT β 2 and CT β 3). CT β 1, CT β 2 isoforms are present in humans and CT β 2 and CT β 3 isoforms have been identified in mice. The CT β 2 can be detected as 41 kDa, and CT β 3 can be detected as 39 kDa. This antibody can recognizes both PCYT1A and PCYT1B. PCYT1A usually exists in the form of a 80 kDa dimer.

Notable Publications

Author	Pubmed ID	Journal	Application
Fan Zhang	38145852	Neurobiol Dis	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

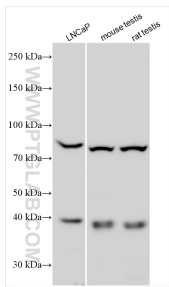
T: 4006900926

E: Proteintech-CN@ptglab.com

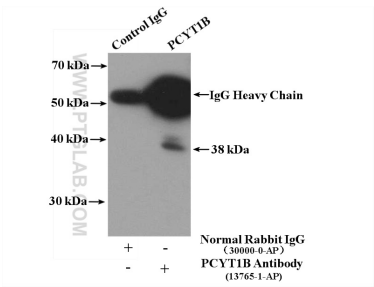
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13765-1-AP (PCYT1B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-PCYT1B (IP:13765-1-AP, 4ug; Detection:13765-1-AP 1:500) with human placenta tissue lysate 4000ug.