

For Research Use Only

PCYT1B Polyclonal antibody

Catalog Number: 13765-1-AP

1 Publications



Basic Information

Catalog Number:

13765-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4748

GenBank Accession Number:

BC045634

GeneID (NCBI):

9468

UNIPROT ID:

Q9Y5K3

Full Name:

phosphate cytidylyltransferase 1, choline, beta

Calculated MW:

351 aa, 40 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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 : human placenta tissue, human brain tissue

IP : human placenta tissue,

Background Information

PCYT1B (Phosphate Cytidylyltransferase 1B, Choline), also named as CTβ, CCTB and CCT-Beta, is encoded by the gene belongs to the cytidylyltransferase 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 CTβ (CTβ1, CTβ2 and CTβ3). CTβ1, CTβ2 isoforms are present in humans and CTβ2 and CTβ3 isoforms have been identified in mice. The CTβ2 can be detected as 41 kDa, and CTβ3 can be detected as 39 kDa.

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

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

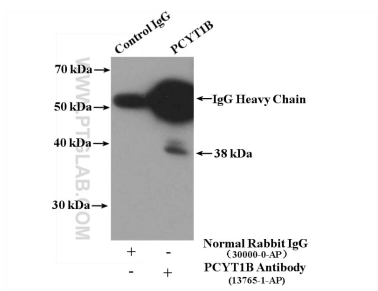
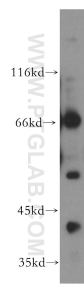
For technical support and original validation data for this product please contact:

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Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 13765-1-AP (PCYT1B antibody) at dilution of 1:500 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.