

For Research Use Only

PCYT1B Polyclonal antibody

Catalog Number: 13765-1-AP **1 Publications**



Basic Information

Catalog Number: 13765-1-AP	GenBank Accession Number: BC045634	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9468	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: Q9Y5K3	
Isotype: IgG	Full Name: phosphate cytidylyltransferase 1, choline, beta	
Immunogen Catalog Number: AG4748	Calculated MW: 351 aa, 40 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls:
Cited Applications: WB	WB : human placenta tissue, human brain tissue
Species Specificity: human, mouse, rat	IP : human placenta tissue,
Cited Species: mouse	

Background Information

PCYT1B (Phosphate Cytidylyltransferase 1B, Choline), also named as CT β , 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 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Fan Zhang	38145852	Neurobiol Dis	WB

Storage

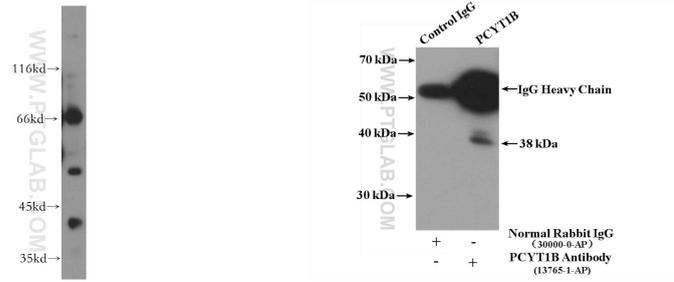
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

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.