10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PCYT1A Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19716b

Product Information

Application	WB, E
Primary Accession	P49585
Other Accession	P19836, P49586, P49584, NP_005008.2
Reactivity	Human
Predicted	Hamster, Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41027
Calculated MW	41731
Antigen Region	281-309

Additional Information

Gene ID	5130
Other Names	Choline-phosphate cytidylyltransferase A, CCT-alpha, CTP:phosphocholine cytidylyltransferase A, CCT A, CT A, Phosphorylcholine transferase A, PCYT1A, CTPCT, PCYT1
Target/Specificity	This PCYT1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 281-309 amino acids from the C-terminal region of human PCYT1A.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PCYT1A Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PCYT1A
Synonyms	CTPCT, PCYT1

Function	Catalyzes the key rate-limiting step in the CDP-choline pathway for phosphatidylcholine biosynthesis.
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:P19836}. Membrane {ECO:0000250|UniProtKB:P19836}; Peripheral membrane protein {ECO:0000250|UniProtKB:P19836}. Endoplasmic reticulum membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P19836}. Nucleus Note=It can interconvert between an inactive cytosolic form and an active membrane-bound form. {ECO:0000250|UniProtKB:P19836}
Tissue Location	Brain, placenta, liver, fetal and adult lung.

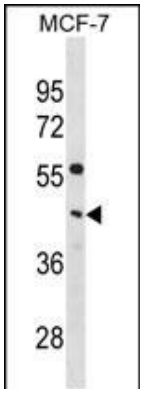
Background

PCYT1A controls phosphatidylcholine synthesis.

References

Mostowska, A., et al. J. Med. Genet. (2010) In press :
Mostowska, A., et al. Eur. J. Oral Sci. 118(4):325-332(2010)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
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Images



PCYT1A Antibody (C-term) (Cat. #AP19716b) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the PCYT1A antibody detected the PCYT1A protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.