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PCYT1A Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19716b

Specification

PCYT1A Antibody(C-term) - Product Information

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

PCYT1A Antibody(C-term) - 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

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.

PCYT1A Antibody(C-term) - 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. Nucleus Note=It can interconvert between an inactive cytosolic form and an active membrane-bound form. {ECO:0000250|UniProtKB:P19836}

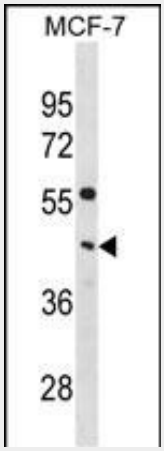
Tissue Location
Brain, placenta, liver, fetal and adult lung.

PCYT1A Antibody(C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PCYT1A Antibody(C-term) - 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).

PCYT1A Antibody(C-term) - Background

PCYT1A controls phosphatidylcholine synthesis.

PCYT1A Antibody(C-term) - 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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