

# PCYT1A Rabbit pAb

PCYT1A Rabbit pAb

Catalog # AP94840

## Product Information

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|---|---|
| <b>Application</b>                      | IHC-P, IHC-F, IF  |
| <b>Primary Accession</b>                | <a href="#">P49585</a>  |
| <b>Reactivity</b>                       | Rat, Human, Mouse   |
| <b>Host</b>                             | Rabbit  |
| <b>Clonality</b>                        | Polyclonal  |
| <b>Calculated MW</b>                    | 41731   |
| <b>Physical State</b>                   | Liquid  |
| <b>Immunogen</b>                        | KLH conjugated synthetic peptide derived from human PCYT1A  |
| <b>Epitope Specificity</b>              | 201-300/367   |
| <b>Isotype</b>                          | IgG   |
| <b>Purity</b>                           | affinity purified by Protein A  |
| <b>Buffer</b>                           | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.   |
| <b>SUBCELLULAR LOCATION</b>             | Cytoplasm; cytosol. Membrane. It can interconvert between an inactive cytosolic form and an active membrane-bound form.   |
| <b>SIMILARITY</b>                       | Belongs to the cytidylyltransferase family.   |
| <b>SUBUNIT</b>                          | Homodimer.  |
| <b>Post-translational modifications</b> | The serine residues of the C-terminus are phosphorylated. The inactive soluble form is stabilized by phosphorylation, the active membrane bound form is promoted by anionic lipids or diacylglycerol, and is stabilized by dephosphorylation. |
| <b>Important Note</b>                   | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.   |

## Additional Information

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|---------------------------|---|
| <b>Gene ID</b>            | 5130  |
| <b>Other Names</b>        | Choline-phosphate cytidylyltransferase A, 2.7.7.15, CCT-alpha, CTP:phosphocholine cytidylyltransferase A, CCT A, CT A, Phosphorylcholine transferase A, PCYT1A, CTPCT, PCYT1                    |
| <b>Target/Specificity</b> | Cancer, Neurotrophins, Lipid metabolism   |
| <b>Dilution</b>           | IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500  |
| <b>Format</b>             | 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce  |
| <b>Storage</b>            | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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|--------------------------|---|
| <b>Name</b>              | PCYT1A  |
| <b>Synonyms</b>          | CTPCT, PCYT1  |
| <b>Function</b>          | Catalyzes the key rate-limiting step in the CDP-choline pathway for phosphatidylcholine biosynthesis.   |
| <b>Cellular Location</b> | 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} |
| <b>Tissue Location</b>   | Brain, placenta, liver, fetal and adult lung.   |

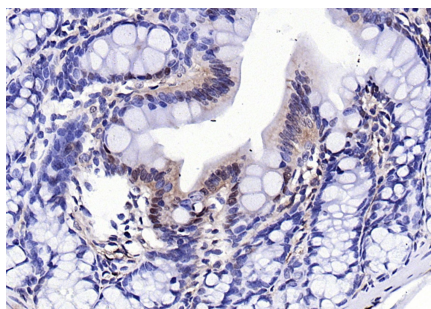
## Background

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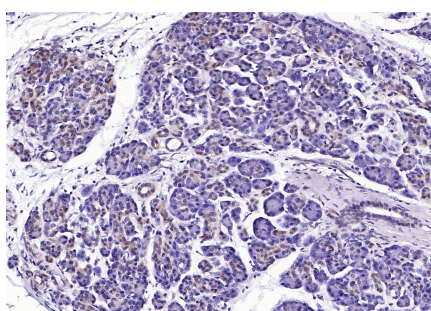
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## Images

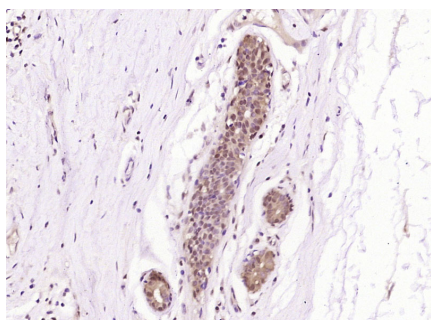
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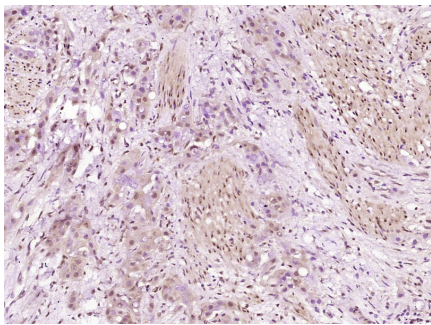
Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCYT1A) Polyclonal Antibody, Unconjugated (AP94840) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



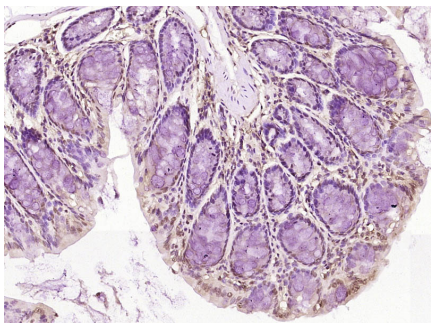
Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCYT1A) Polyclonal Antibody, Unconjugated (AP94840) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCYT1A) Polyclonal Antibody, Unconjugated (AP94840) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human stomach carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCYT1A) Polyclonal Antibody, Unconjugated (AP94840) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCYT1A) Polyclonal Antibody, Unconjugated (AP94840) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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