

PCYT1A Rabbit pAb

PCYT1A Rabbit pAb Catalog # AP94840

Specification

PCYT1A Rabbit pAb - Product Information

Application IHC-P, IHC-F, IF

Primary Accession P49585

Reactivity
Host
Clonality
Calculated MW
Physical State

Rat, Human, Mouse
Rabbit
Polyclonal
42 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human PCYT1A

Epitope Specificity 201-300/367

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm; cytosol. Membrane. It can

interconvert between an inactive cytosolic form and an active membrane-bound form. Belongs to the cytidylyltransferase family.

SUBUNIT Homodimer.

Post-translational modifications 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.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

PCYT1A Rabbit pAb - Additional Information

Gene ID 5130

SIMILARITY

Other Names

Choline-phosphate cytidylyltransferase A, 2.7.7.15, CCT-alpha, CTP:phosphocholine cytidylyltransferase A, CCT A, CT A, Phosphorylcholine transferase A, PCYT1A, CTPCT, PCYT1

Target/Specificity

Cancer, Neurotrophins, Lipid metabolism

Dilution

IHC-P~~N/A<br \><span class</pre>





="dilution IHC-F">IHC-F~~N/A
span class = "dilution IF">IF~~1:50~200

Storage

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.

PCYT1A Rabbit pAb - 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

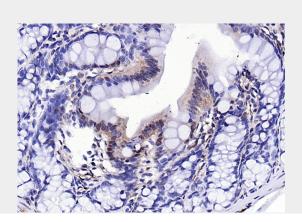
Brain, placenta, liver, fetal and adult lung.

PCYT1A Rabbit pAb - Protocols

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

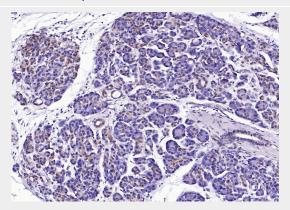
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PCYT1A Rabbit pAb - Images

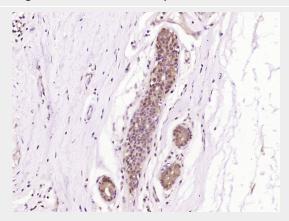




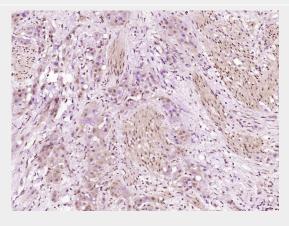
Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCYT1A) Polyclonal Antibody, 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.

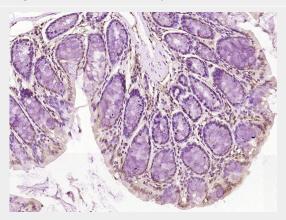


Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCYT1A) Polyclonal 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.

PCYT1A Rabbit pAb - Background

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