

KD-Validated Anti-PCYT1A Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1875**Specification****KD-Validated Anti-PCYT1A Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	P49585
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 42 kDa, observed, 42 kDa kDa
Gene Name	PCYT1A
Aliases	PCYT1A; Phosphate Cytidylyltransferase 1A, Choline; CTPCT; CCTalpha; PCYT1; CT; Phosphate Cytidylyltransferase 1, Choline, Alpha; CTP:Phosphocholine Cytidylyltransferase-Alpha; Choline-Phosphate Cytidylyltransferase Alpha; CTP:Phosphocholine Cytidylyltransferase A; Choline-Phosphate Cytidylyltransferase A; Phosphorylcholine Transferase Alpha; Phosphorylcholine Transferase A; EC 2.7.7.15 4; CCT-Alpha; CCT A; CT A; Phosphate Cytidylyltransferase 1, Choline, Alpha Isoform; EC 2.7.7; SMDCRD; CCTA; CGL5;CTA
Immunogen	A synthesized peptide derived from human CTA

KD-Validated Anti-PCYT1A Rabbit Monoclonal Antibody - Additional Information

Gene ID	5130
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

KD-Validated Anti-PCYT1A Rabbit Monoclonal Antibody - 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}

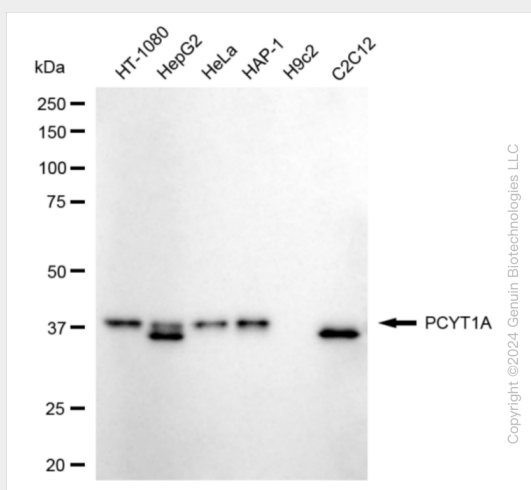
Tissue Location

Brain, placenta, liver, fetal and adult lung.

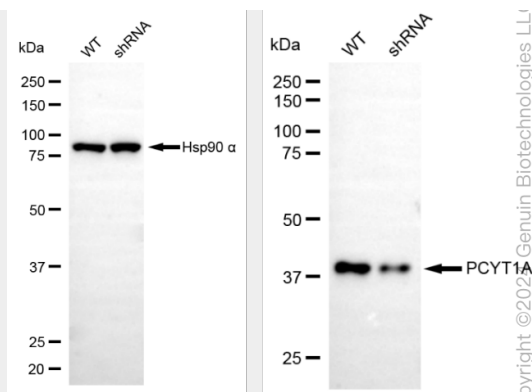
KD-Validated Anti-PCYT1A Rabbit Monoclonal Antibody - Protocols

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

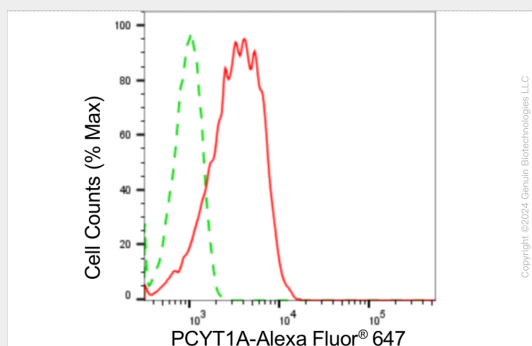
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-PCYT1A Rabbit Monoclonal Antibody - Images

Western blotting analysis using anti-PCYT1A antibody (Cat#AGI1875). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PCYT1A antibody (Cat#AGI1875, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-PCYT1A antibody (Cat#AGI1875). PCYT1A expression in wild-type (WT) and PCYT1A shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-PCYT1A antibody (Cat#AGI1875, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of PCYT1A expression in HepG2 cells using anti-PCYT1A antibody (Cat#AGI1875, 1:2,000). Green, isotype control; red, PCYT1A.