

PCYT1A recombinant antibody

PCYT1A Antibody

CATALOG # AAA243836	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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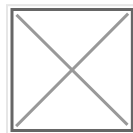
PRODUCT SYNONYMS

PCYT1A; Monoclonal Recombinant Antibody; PCYT1A Antibody; Choline-phosphate cytidyltransferase A (EC 2.7.7.15) (CCT-alpha) (CTP:phosphocholine cytidyltransferase A) (CCT A) (CT A) (Phosphorylcholine transferase A); CTPCT PCYT1; PCYT1A recombinant antibody

PRODUCT SPECIFICATIONS

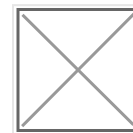
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	4F2
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for PCYT1A recombinant antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	A synthesized peptide derived from human PCYT1A
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Cancer: Metabolism: Signal Transduction
Target Names	PCYT1A
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HeLa Cells at 1:250, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG ?H+L?.



WB (Western Blot)

Western BlotPositive WB detected in: K562 whole cell lysateAll lanes: PCYT1A antibody at 1:1000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 42 kDaObserved band size: 42 kDa

ADDITIONAL INFORMATION

Related Product Information for PCYT1A recombinant antibody	In yeast, fly, and mammalian cells, PCYT1A, the rate-limiting enzyme of phosphatidylcholine (PC) synthesis, is intranuclear and re-locates to the nuclear membrane in response to the demand for membrane PL production. Membrane lipid stored curvature elastic (SCE) stress is increased by PC deficiency. PCYT1A deletions caused functional impairment in cells that generate PC for secretion as well as membrane maintenance. Lipodystrophy, spondylometaphyseal dysplasia with cone-rod dystrophy (SMD-CRD), and isolated retinal dystrophy are all caused by mutations in the PCYT1A gene. The preparation of the recombinant PCYT1A antibody involves the mammalian cell lines expression of plasma vectors containing PCYT1A antibody genes. B cells isolated from immunized animals' blood were treated to obtain RNA, which underwent reverse transcription to yield DNA genes. Antibody genes were sequenced and screened from the DNA. After transient expression, cell supernatant was collected and then purified using Affinity-chromatography to obtain the recombinant PCYT1A antibody. This recombinant PCYT1A antibody is recommended to use in the PCYT1A for the detection of PCYT1A protein from Human.
Product Categories/Family for PCYT1A recombinant antibody	Neuroscience; Cancer; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	575486
NCBI GeneID	5130
UniProt Accession #	P49585; Q86Y88; A9LYK9; D3DXB1
NCBI Official Full Name	CTP:phosphocholine cytidyltransferase
NCBI Official Synonym Full Names	phosphate cytidyltransferase 1, choline, alpha
NCBI Official Symbol	PCYT1A
NCBI Official Synonym Symbols	CT; CTA; CCTA; CTPCT; PCYT1
NCBI Protein Information	choline-phosphate cytidyltransferase A; CT A; CCT A; CCT-alpha; phosphorylcholine transferase A; CTP:phosphocholine cytidyltransferase A
UniProt Protein Name	Choline-phosphate cytidyltransferase A
UniProt Gene Name	PCYT1A
UniProt Synonym Gene Names	CTPCT; PCYT1; CCT A; CT A
UniProt Entry Name	PCY1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pcyt1a-recombinant-antibody-clone-4f2-immunofluorescence-western-blot-elisa/243836>