



[Go to Product page](#)

Datasheet for ABIN1390487

anti-PCYT1A antibody (AA 201-300) (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	PCYT1A
Binding Specificity:	AA 201-300
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCYT1A antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PCYT1A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PCYT1A
Alternative Name:	PCYT1A (PCYT1A Products)

Target Details

Background: Synonyms: CCT A, CCT alpha, CCT-alpha, Choline phosphate cytidyltransferase A, Choline-phosphate cytidyltransferase A, CT A, CT antibody CTP:phosphocholine cytidyltransferase A, CTPCT, PCY1A_HUMAN, PCYT1, Pcyt1a, Phosphate cytidyltransferase 1 choline alpha, Phosphate cytidyltransferase 1 choline alpha isoform, Phosphorylcholine transferase A.

Background: Increase in fetal surfactant synthesis and lung maturity is caused by the glucocorticoidal induction of enzymes required for phosphatidylcholine synthesis towards the end of gestation (1). The regulation of gestational age-dependent induction of phosphatidylcholine synthesis by glucocorticoids is still unclear (1). The rate-controlling enzyme in the phosphatidylcholine biosynthetic pathway is CTP-phosphocholine cytidyltransferase A (CCT A) (24). In cultured eukaryotic cells, this enzyme is essential for survival (3). The alpha isoform is located in the nucleus and is regulated by reversible phosphorylation and membrane association (3). There is significant identity between the alpha-helical membrane-binding domains of CCT A and soybean oleosin (2). Expressed CCT A has lipid-dependent cytidyltransferase activity (5). The gene which encodes CCT A maps to human chromosome 3q (4).

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months