PCYT1A Antibody HRP Conjugated

Catalog No: #C01102H

SAB®
Signalway Antibody

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Description

Product Name	PCYT1A Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB,,IHC-P,IHC-F,ICC
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human PCYT1A
Conjugates	HRP
Target Name	PCYT1A
Other Names	CCT A; CCT alpha; CCT-alpha; Choline phosphate cytidylyltransferase A; Choline-phosphate cytidylyltransferase A; CT A; CT antibody CTP:phosphocholine cytidylyltransferase A; CTPCT; PCY1A_HUMAN; PCYT1; Pcyt1a; Phosphate cytidylyltransferase 1 choline alpha; Phosphate cytidylyltransferase 1 choline al
Excitation Emission	N A
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200

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 cytidylyltransferase A (CCT A) (2a4). 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 cytidylyltransferase activity (5). The gene which encodes CCT A maps to human chromosome 3q (4).

Note: This product is for in vitro research use only