

### **Product Name: PCY1A Rabbit Polyclonal Antibody**

Catalog #: APRab15870

For research use only.

## **Summary**

**Description** Rabbit polyclonal Antibody

Host Rabbit
Application WB,ELISA

Reactivity Human, Mouse, Rat
Conjugation Unconjugated
Modification Unmodified

**Isotype** IgG

ClonalityPolyclonalFormLiquidConcentration1mg/ml

**Storage** Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.

**Shipping** Ice bags

Buffer Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.

**Purification** Affinity purification

# **Application**

**Dilution Ratio** WB 1:500-1:2000,ELISA 1:5000-1:20000

Molecular Weight 40kDa

# **Antigen Information**

Gene Name PCYT1A CTPCT PCYT1

**Alternative Names** 

 Gene ID
 5130.0

 SwissProt ID
 P49585

**Immunogen** Synthesized peptide derived from part region of human protein

# **Background**

This gene belongs to the cytidylyltransferase family and is involved in the regulation of phosphatidylcholine biosynthesis. Mutations in this gene are associated with spondylometaphyseal dysplasia with cone-rod dystrophy. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2015],catalytic activity:CTP + choline phosphate =

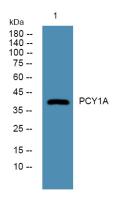


diphosphate + CDP-choline.,enzyme regulation:By phosphorylation.,function:Controls phosphatidylcholine synthesis.,pathway:Phospholipid metabolism; phosphatidylcholine biosynthesis; phosphatidylcholine from phosphocholine: step 1/2.,PTM:The serine residues of the C-terminus are phosphorylated. The inactive soluble form is stabilized by phosphorylation, the active membrane bound form is promoted by anionic lipids or diacylglycerol, and is stabilized by dephosphorylation.,similarity:Belongs to the cytidylyltransferase family.,subcellular location:It can interconvert between an inactive cytosolic form and an active membrane-bound form.,subunit:Homodimer; disulfide-linked.,

#### **Research Area**

Glycerophospholipid metabolism;

# **Image Data**



Western blot analysis of lysates from A431 cells, PCY1A Rabbit Polyclonal Antibody was diluted at 1:1000, 4°over night

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