

PC-PLD2 Polyclonal Antibody

Catalog No: YT3620

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA;IHC

Target: PC-PLD2

Fields: >>Glycerophospholipid metabolism;>>Ether lipid metabolism;>>Metabolic

pathways;>>Ras signaling pathway;>>cAMP signaling pathway;>>Sphingolipid signaling pathway;>>Phospholipase D signaling pathway;>>Endocytosis;>>Fc gamma R-mediated phagocytosis;>>Glutamatergic synapse;>>GnRH signaling pathway;>>Parathyroid hormone synthesis, secretion and action;>>Pathways in cancer;>>Chemical carcinogenesis - reactive oxygen species;>>Pancreatic

cancer;>>Choline metabolism in cancer

Gene Name: PLD2

Protein Name: Phospholipase D2

O14939

P97813

Human Gene Id: 5338

Human Swiss Prot

No:

Mouse Gene Id: 18806

Mouse Swiss Prot

No:

Rat Gene ld: 25097

Rat Swiss Prot No: P70498

Immunogen: Synthesized peptide derived from PC-PLD2 . at AA range: 110-190

Specificity: PC-PLD2 Polyclonal Antibody detects endogenous levels of PC-PLD2 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

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Source : Polyclonal, Rabbit, IgG

Dilution : WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 106kD

Cell Pathway: Glycerophospholipid metabolism;Ether lipid metabolism;Endocytosis;Fc gamma

R-mediated phagocytosis;GnRH;

Background: The protein encoded by this gene catalyzes the hydrolysis of

phosphatidylcholine to phosphatidic acid and choline. The activity of the encoded

enzyme is enhanced by phosphatidylinositol 4,5-bisphosphate and ADP-

ribosylation factor-1. This protein localizes to the peripheral membrane and may

be involved in cytoskeletal organization, cell cycle control, transcriptional

regulation, and/or regulated secretion. Two transcript variants encoding different

isoforms have been found for this gene. [provided by RefSeq, Jul 2011],

Function: catalytic activity:A phosphatidylcholine + H(2)O = choline + a

phosphatidate.,enzyme regulation:Stimulated by phosphatidylinositol

4,5-bisphosphate and activated by the ADP-ribosylation factor-1

(ARF-1).,function:May have a role in signal-induced cytoskeletal regulation and/or endocytosis.,online information:Phospholipase D entry,similarity:Belongs to the phospholipase D family.,similarity:Contains 1 PH domain.,similarity:Contains 1 PX

(phox homology) domain., similarity: Contains 2 PLD phosphodiesterase domains., subunit: Interacts with EGFR (By similarity). Interacts with

PIP5K1A., tissue specificity: Ubiquitous.,

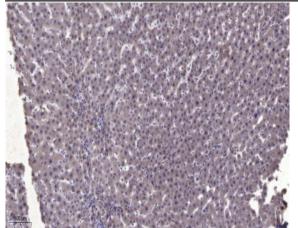
Subcellular Location:

Cell membrane; Lipid-anchor.

Expression: Ubiquitous.

Products Images





Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).