

PA21B Polyclonal Antibody

Catalog No: YN1055

Reactivity: Human; Rat; Mouse;

Applications: WB;ELISA

Target: PA21B

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

acid metabolism;>>Linoleic acid metabolism;>>alpha-Linolenic acid

metabolism;>>Metabolic pathways;>>Ras signaling pathway;>>Vascular smooth muscle contraction;>>Pancreatic secretion;>>Fat digestion and absorption

Gene Name: PLA2G1B PLA2 PLA2A PPLA2

Protein Name: Phospholipase A2 (EC 3.1.1.4) (Group IB phospholipase A2)

(Phosphatidylcholine 2-acylhydrolase 1B)

Human Gene Id: 5319

Human Swiss Prot P04054

No:

Mouse Swiss Prot Q9Z0Y2

No:

Rat Swiss Prot No: P04055

Immunogen: Synthesized peptide derived from human protein . at AA range: 70-150

Specificity: PA21B Polyclonal Antibody detects endogenous levels of protein.

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

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000 ELISA 1:5000-20000

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: 16kD

Cell Pathway: Glycerophospholipid metabolism;Ether lipid metabolism;Arachidonic acid

metabolism;Linoleic acid metabolism;alpha-Linolenic acid

metabolism;MAPK ERK Growth;MAPK G Protein;Vascular smooth muscle

contrac

Background: This gene encodes a secreted member of the phospholipase A2 (PLA2) class of

enzymes, which is produced by the pancreatic acinar cells. The encoded calcium-dependent enzyme catalyzes the hydrolysis of the sn-2 position of membrane glycerophospholipids to release arachidonic acid (AA) and lysophospholipids. AA

is subsequently converted by downstream metabolic enzymes to several

bioactive lipophilic compounds (eicosanoids), including prostaglandins (PGs) and

leukotrienes (LTs). The enzyme may be involved in several physiological processes including cell contraction, cell proliferation and pathological response.

[provided by RefSeq, Aug 2013],

Function : catalytic activity:Phosphatidylcholine + H(2)O = 1-acylglycerophosphocholine +

a carboxylate.,cofactor:Binds 1 calcium ion per subunit.,function:PA2 catalyzes

the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-

phosphoglycerides., similarity: Belongs to the phospholipase A2 family.,

Subcellular

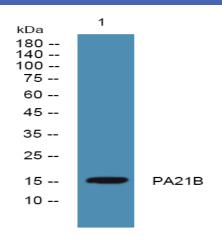
Location:

Secreted . Secreted from pancreatic acinar cells in its inactive form.

Expression: Selectively expressed in pancreas, lung, liver and kidney. Also detected at lower

levels in ovary and testis.

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night