Best Tools for immunology Research

cPLA2-ε Polyclonal Antibody

Catalog No :	YT1087
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	cPLA2-ε
Fields :	>>Glycerophospholipid metabolism;>>Ether lipid metabolism;>>Arachidonic acid metabolism;>>Linoleic acid metabolism;>>alpha-Linolenic acid metabolism;>>Metabolic pathways;>>MAPK signaling pathway;>>Ras signaling pathway;>>Phospholipase D signaling pathway;>>Necroptosis;>>Vascular smooth muscle contraction;>>VEGF signaling pathway;>>Platelet activation;>>Fc epsilon RI signaling pathway;>>Fc gamma R-mediated phagocytosis;>>Glutamatergic synapse;>>Serotonergic synapse;>>Long-term depression;>>Inflammatory mediator regulation of TRP channels;>>GnRH signaling pathway;>>Ovarian steroidogenesis;>>Oxytocin signaling pathway;>>Choline metabolism in cancer
Gene Name :	PLA2G4E
Protein Name :	Cytosolic phospholipase A2 epsilon
Human Gene Id :	123745
Human Swiss Prot No :	Q3MJ16
Mouse Swiss Prot No :	Q50L42
Immunogen :	The antiserum was produced against synthesized peptide derived from human PLA2G4E. AA range:401-450
Specificity :	cPLA2-ε Polyclonal Antibody detects endogenous levels of cPLA2-ε protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

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)

Molecularweight : 96kD

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 : catalytic activity:Phosphatidylcholine + H(2)O = 1-acylglycerophosphocholine + a carboxylate.,domain:The N-terminal C2 domain associates with lipid membranes and mediates its regulation by presenting the active site to its substrate in response to elevations of cytosolic Ca(2+).,enzyme regulation:Stimulated by cytosolic Ca(2+).,function:Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position.,similarity:Contains 1 C2 domain.,similarity:Contains 1 PLA2c domain.,subcellular location:Translocates to lysosomal membranes in a calcium-dependent fashion.,

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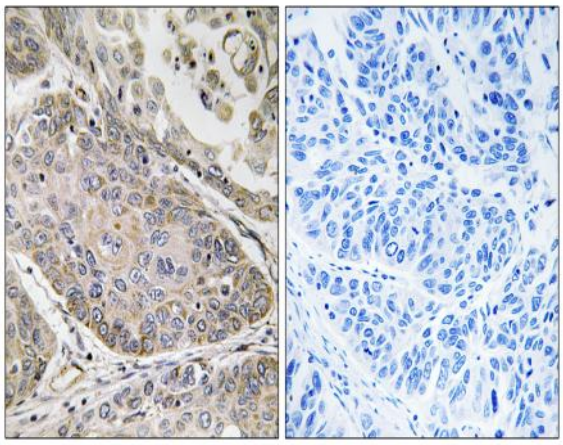
Subcellular Location : Cytoplasm, cytosol . Early endosome membrane ; Peripheral membrane protein ; Cytoplasmic side . Lysosome membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell membrane ; Peripheral membrane protein; Cytoplasmic side . Targeted to clathrin-independent endocytotic vesicles through binding to phosphoinositides, especially phosphatidylinositol 4,5-bisphosphates. .

Expression : Heart,Lung,Tongue,

Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using PLA2G4E Antibody. The picture on the right is blocked with the synthesized peptide.