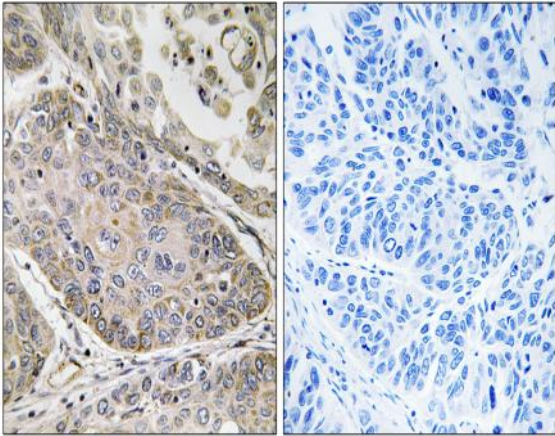


cPLA2-ε Polyclonal Antibody

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| Catalog No : | YT1087 |
| Reactivity : | Human;Rat;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 |

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| 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.