

cPLA2-ε rabbit pAb**Cat#: orb767587 (Manual)**

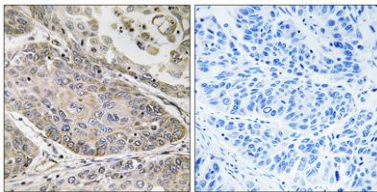
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Product Name	cPLA2-ε rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum 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..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cytosolic phospholipase A2 epsilon
Gene Name	PLA2G4E
Cellular localization	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. .

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	123745
Human Swiss-Prot Number	Q3MJ16
Alternative Names	PLA2G4E; Cytosolic phospholipase A2 epsilon; cPLA2-epsilon; Phospholipase A2 group IVE

Background

catalytic activity:Phosphatidylcholine + H₂O = 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 Ca²⁺.,enzyme regulation:Stimulated by cytosolic Ca²⁺.,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.,



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