

## Summary

|                        |                                    |
|------------------------|------------------------------------|
| <b>Production Name</b> | cPLA2-ε Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody         |
| <b>Host</b>            | Rabbit                             |
| <b>Application</b>     | IHC-P,IF-P,IF-F,ICC/IF,ELISA       |
| <b>Reactivity</b>      | Human,Rat,Mouse                    |

## Performance

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                      |
| <b>Modification</b> | Unmodified                                                                                        |
| <b>Isotype</b>      | IgG                                                                                               |
| <b>Clonality</b>    | Polyclonal                                                                                        |
| <b>Form</b>         | Liquid                                                                                            |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| <b>Purification</b> | Affinity purification                                                                             |

## Immunogen

|                          |                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | PLA2G4E                                                                                                     |
| <b>Alternative Names</b> | PLA2G4E; Cytosolic phospholipase A2 epsilon; cPLA2-epsilon; Phospholipase A2 group IVE                      |
| <b>Gene ID</b>           | 123745.0                                                                                                    |
| <b>SwissProt ID</b>      | Q3MJ16. The antiserum was produced against synthesized peptide derived from human PLA2G4E. AA range:401-450 |

## Application

|                         |                                                             |
|-------------------------|-------------------------------------------------------------|
| <b>Dilution Ratio</b>   | IHC-P 1:100-1:300, ELISA 1:40000, IF-P/IF-F/ICC/IF 1:50-200 |
| <b>Molecular Weight</b> |                                                             |

**Product Name: cPLA2-ε Rabbit Polyclonal Antibody**  
**Catalog #: APRab09317**



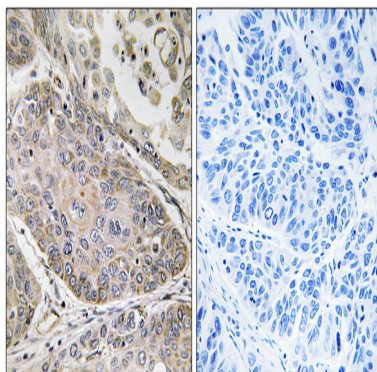
## Background

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.,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.,

## Research Area

Glycerophospholipid metabolism;Ether lipid metabolism;Arachidonic acid metabolism;Linoleic acid metabolism;alpha-Linolenic acid metabolism;MAPK\_ERK\_Growth;MAPK\_G\_Protein;Vascular smooth muscle contraction;VEGF;Fc epsilon RI;Fc gamma R-mediated phagocytosis;Long-term depression;GnRH;

## Image Data



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

## Note

For research use only.