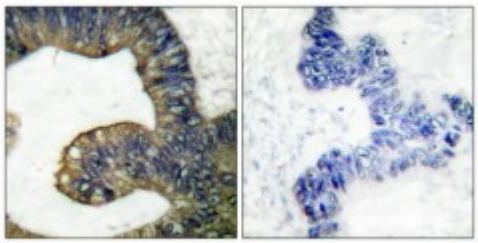
Anti-cPLA2 antibody



Description	Rabbit polyclonal to cPLA2.

Model	STJ92449
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human cPLA2 around the non-phosphorylation site of S505.
Immunogen Region	440-520 aa
Gene ID	5321
Gene Symbol	PLA2G4A
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	cPLA2 Polyclonal Antibody detects endogenous levels of cPLA2 protein.
Tissue Specificity	Expressed in various tissues such as macrophages, platelets, neutrophils, fibroblasts and lung endothelium.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cytosolic phospholipase A2 cPLA2 Phospholipase A2 group IVA Includes: Phospholipase A2 Phosphatidylcholine 2-acylhydrolase Lysophospholipase
Molecular Weight	100 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9035OMIM:600522
Alternative Names	Cytosolic phospholipase A2 cPLA2 Phospholipase A2 group IVA Includes: Phospholipase A2 Phosphatidylcholine 2-acylhydrolase Lysophospholipase
Function	Selectively hydrolyzes arachidonyl phospholipids in the sn-2 position releasing arachidonic acid. Together with its lysophospholipid activity, it is implicated in the initiation of the inflammatory response.
Sequence and Domain Family	The N-terminal C2 domain associates with lipid membranes upon calcium binding. It modulates enzyme activity by presenting the active site to its substrate in response to elevations of cytosolic Ca(2+).
Cellular Localization	Cytoplasm. Cytoplasmic vesicle. Translocates to membrane vesicles in a calcium-dependent fashion.
Post-translational Modifications	Activated by phosphorylation at both Ser-505 and Ser-727.