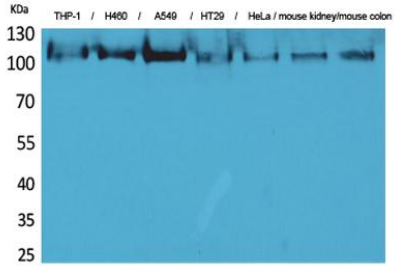
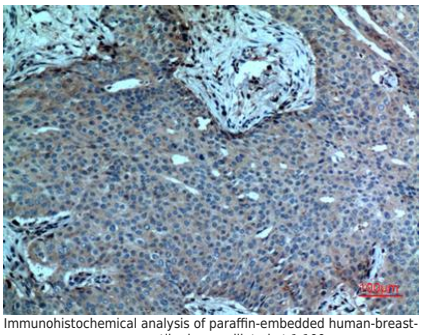
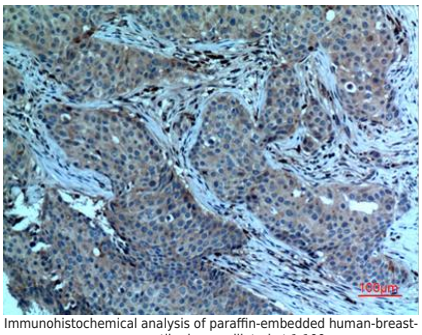
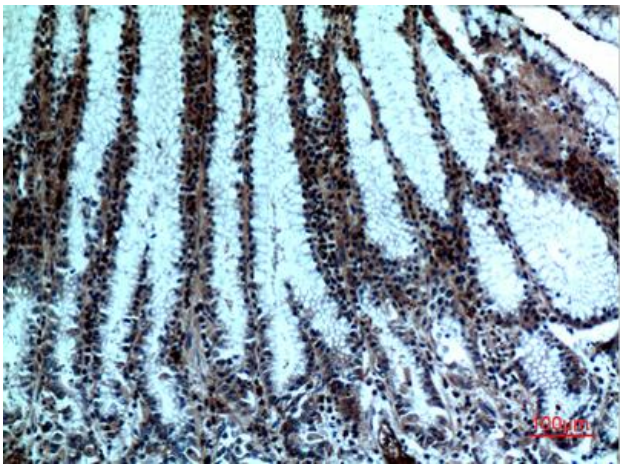
Product name:	cPLA2 Rabbit Polyclonal Antibody
Cat number:	AB-J6063
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from the N-terminal region of human PLA2G4A. AA range:31-80.
Reactivity:	Human;Mouse;Rat
Applications:	Western Blot: 1/500 - 1/2000 Immunohistochemistry(paraffin-embedded tissues): 1:100-300 ELISA: 1/20000
Molecular Weight:	114kD
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.
Background:	This gene encodes a member of the cytosolic phospholipase A2 group IV family. The enzyme catalyzes the hydrolysis of membrane phospholipids to release arachidonic acid which is subsequently metabolized into eicosanoids. Eicosanoids, including prostaglandins and leukotrienes, are lipid-based cellular hormones that regulate hemodynamics, inflammatory responses, and other intracellular pathways. The hydrolysis reaction also produces lysophospholipids that are converted into platelet-activating factor. The enzyme is activated by increased intracellular Ca(2+) levels and phosphorylation, resulting in its translocation from the cytosol and nucleus to perinuclear membrane vesicles. Alternative splicing results in multiple transcript variants



Western Blot analysis of THP-1, H460, A549, HT29, HeLa,mouse kidney, mouse colon cells using cPLA2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000


Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:100


Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:100


Immunohistochemical analysis of paraffin-embedded human-stomach, antibody was diluted at 1:100