

**Cat. No:** 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.

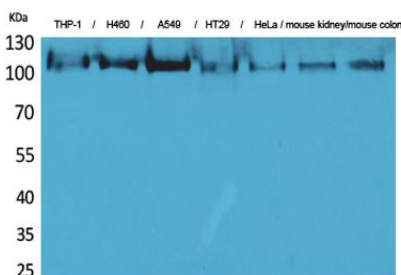
**Synonyms:** PLA2G4A; CPLA2; PLA2G4; Cytosolic phospholipase A2; cPLA2; Phospholipase A2 group IVA

**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

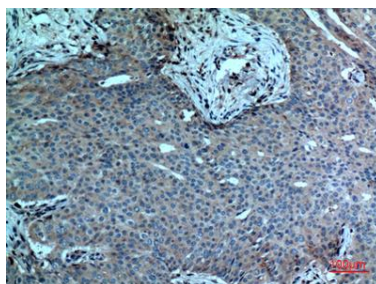
**Form:** Liquid

**Buffer:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

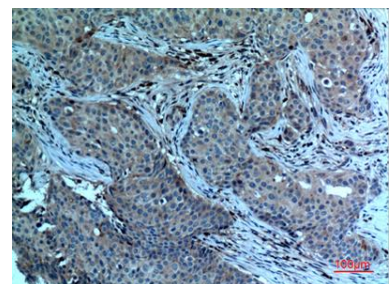
**Storage:** Store at -20°C. Avoid repeated freeze-thaw cycles.



Western Blot analysis of THP-1, H460, A549, HT29, HeLa, mouse kidney, mouse

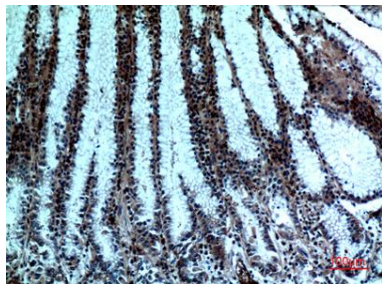


Immunohistochemical analysis of paraffin-embedded human-breast-



Immunohistochemical analysis of paraffin-embedded human-breast-

colon cells using cPLA2 Polyclonal  
Antibody. Secondary antibody was  
diluted at 1:20000



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

cancer, antibody was diluted at 1:100

cancer, antibody was diluted at 1:100