

# cPLA2 Polyclonal Antibody

## Description

Product type Primary Antibody

Code BT-AP02184

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from the N-terminal region of human

PLA2G4A. AA range:31-80

Mol wt 85211

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name cPLA2 Antibody

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

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

## Background

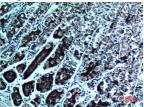
PLA2G4A encodes a member of the cytosolic phospholipase A2 group IV family. The enzyme catalyzes the hydrolysis of membrane phospholipids to release arachidonic acid which is subsequently metabolized into eicosanoids. Eicosanoids, including prostaglandins and leukotrienes, are lipid-based cellular hormones 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.

#### Recommended Dilution

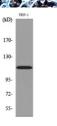
WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 300 ELISA: 1: 20000

Not yet tested in other applications.

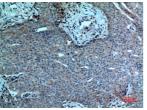
#### Images



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



Western blot analysis of lysate from THP-1 cells, using PLA2G4A Antibody.



 $Immun ohistochemical \ analysis \ of \ paraffin-embedded \ human-breast-cancer, \ antibody \ was \ diluted \ at 1:100$ 



 $Immun ohistochemical \ analysis \ of paraffin-embedded \ human-breast-cancer, \ antibody \ was \ diluted \ at 1:100$ 



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



 $Immun ohistochemical\ analysis\ of\ paraffin-embedded\ human-stomach,\ antibody\ was\ diluted\ at\ 1:100$ 

# Storage

-20°C for one year

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