

# PLA2G4A Rabbit pAb

Catalog No.: A0394

## Basic Information

### Catalog No.

A0394

### Observed MW

115kDa

### Calculated MW

85kDa

### Category

Primary antibody

### Applications

WB

### Cross-Reactivity

Human, Mouse

## Recommended Dilutions

WB 1:500 - 1:2000

## 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.

## Immunogen Information

### Gene ID

5321

### Swiss Prot

P47712

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human PLA2G4A (NP\_077734.1).

### Synonyms

PLA2G4A; PLA2G4; cPLA2; cPLA2-alpha

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

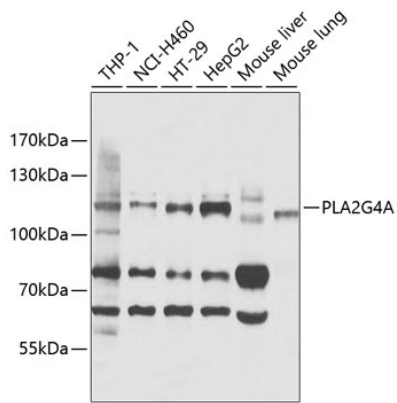
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using PLA2G4A antibody (A0394) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20s.