CAB0394

## Product Information

Size:
20uL, 50uL, 100uL, 200uL
Observed MW:
115 kDa
Calculated MW:
85kDa
Applications:

## WB

Reactivity:
Human, Mouse

## Antibody Information

Recommended dilutions:
WB 1:500-1:2000

## Source:

Rabbit

## Isotype:

IgG

## Protein 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 $\mathrm{Ca}(2+)$ 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

## Uniprot

P47712

## Synonyms:

PLA2G4A; PLA2G4; cPLA2; cPLA2-alpha

## Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human PLA2G4A (NP_077734.1).

## Storage:

Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles. Buffer: PBS with $0.02 \%$ sodium azide, $50 \%$ glycerol, pH 7.3 .

## Purification:

Affinity purification


Western blot analysis of extracts of various cell lines, using PLA2G4A antibody (CAB0394) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABSO14) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3\% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 20s.

