

Datasheet for ABIN873195  
**anti-PLA2G4A antibody (AA 501-600)**



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## Overview

Quantity:	100 µL
Target:	PLA2G4A
Binding Specificity:	AA 501-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLA2G4A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CPLA2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	PLA2G4A
Alternative Name:	CPLA2 ( <a href="#">PLA2G4A Products</a> )

## Target Details

Background:	<p>Synonyms: Calcium dependent phospholipid binding protein, CPLA 2, cPLA2 alpha, cPLA2, Cytosolic phospholipase A2, Cytosolic phospholipase A2 group IVA, Lysophospholipase, MGC126350, PA24A_HUMAN, Phosphatidylcholine 2 acylhydrolase, Phosphatidylcholine 2-acylhydrolase, Phospholipase A2 group 4 A, Phospholipase A2 group IVA cytosolic calcium dependent, Phospholipase A2 group IVA, PhospholipaseA2, PLA2G4.</p> <p>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. [provided by RefSeq, Jul 2008].</p>
Gene ID:	5321
Pathways:	<a href="#">Inositol Metabolic Process</a> , <a href="#">G-protein mediated Events</a> , <a href="#">VEGF Signaling</a>

## Application Details

Application Notes:	<p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

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Storage:	4 °C,-20 °C
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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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Expiry Date:	12 months
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