

Datasheet for ABIN652449

anti-PLA2G4A antibody (AA 513-541)[Go to Product page](#)**4** Images

Overview

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|----------------------|--|
| Quantity: | 400 µL |
| Target: | PLA2G4A |
| Binding Specificity: | AA 513-541 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PLA2G4A antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

Product Details

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|-----------------------|---|
| Immunogen: | This PLA2G4A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 513-541 amino acids from the Central region of human PLA2G4A. |
| Clone: | RB21320 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | C, Zf, Hs, M, Rb, Rat |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|---------|---------|
| Target: | PLA2G4A |
|---------|---------|

Target Details

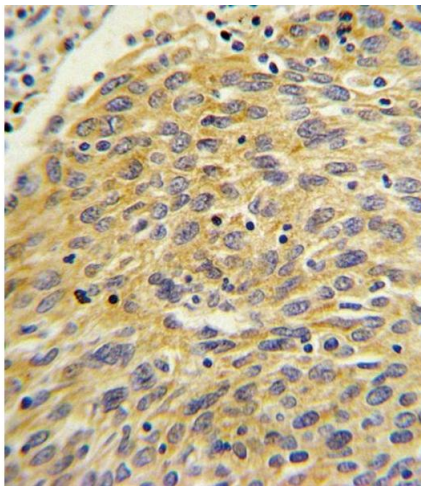
| | |
|-------------------|--|
| Alternative Name: | PLA2G4A (PLA2G4A Products) |
| Background: | PLA2G4A is a member of the cytosolic phospholipase A2 group IV family. The enzyme catalyzes the hydrolysis of membrane phospholipids to release arachidonic acid which is subsequently metabolized into eicosanoids. 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. |
| Molecular Weight: | 85239 |
| Gene ID: | 5321 |
| NCBI Accession: | NP_077734 |
| UniProt: | P47712 |
| Pathways: | Inositol Metabolic Process , G-protein mediated Events , VEGF Signaling |

Application Details

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| Application Notes: | IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50 |
| Restrictions: | For Research Use only |

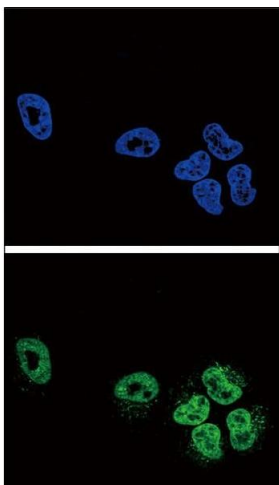
Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



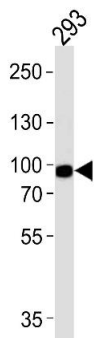
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human lung carcinoma with PLA2G4A Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of PLA2G4A Antibody (Center) (ABIN652449 and ABIN2842304) with NCI- cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. Western blot analysis of lysate from 293 cell line, using PLA2G4A Antibody (Center) (ABIN652449 and ABIN2842304). (ABIN652449 and ABIN2842304) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN652449.