


Product datasheet

Anti-Calcium-independent Phospholipase A2/PLA2G6 antibody ab126248

[1 Image](#)

Overview

Product name	Anti-Calcium-independent Phospholipase A2/PLA2G6 antibody
Description	Rabbit polyclonal to Calcium-independent Phospholipase A2/PLA2G6
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit 
Immunogen	Recombinant fragment corresponding to Human Calcium-independent Phospholipase A2/PLA2G6 aa 399-664.
Positive control	U87-MG whole cell lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab126248 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 90 kDa.

Target

Function

Catalyzes the release of fatty acids from phospholipids. It has been implicated in normal phospholipid remodeling, nitric oxide-induced or vasopressin-induced arachidonic acid release and in leukotriene and prostaglandin production. May participate in fas mediated apoptosis and in regulating transmembrane ion flux in glucose-stimulated B-cells. Has a role in cardiolipin (CL) deacylation. Required for both speed and directionality of monocyte MCP1/CCL2-induced chemotaxis through regulation of F-actin polymerization at the pseudopods.

Isoform ankyrin-iPLA2-1 and isoform ankyrin-iPLA2-2, which lack the catalytic domain, are probably involved in the negative regulation of iPLA2 activity.

Tissue specificity

Four different transcripts were found to be expressed in a distinct tissue distribution.

Involvement in disease

Neurodegeneration with brain iron accumulation 2B

Neurodegeneration with brain iron accumulation 2A

Parkinson disease 14

Sequence similarities

Contains 7 ANK repeats.

Contains 1 patatin domain.

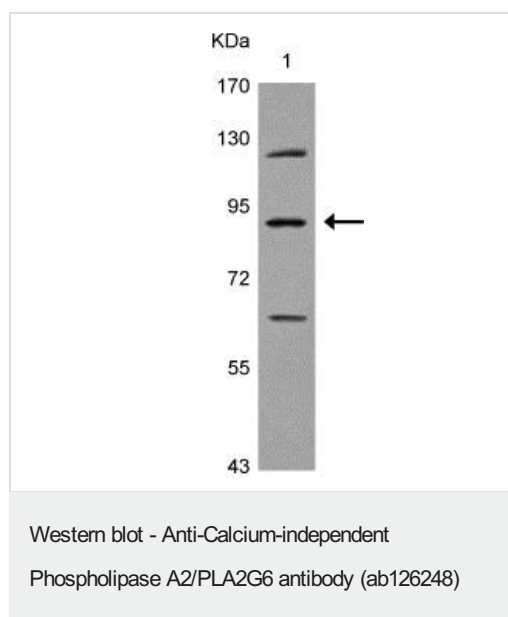
Cellular localization

Cytoplasm and Membrane. Recruited to the membrane-enriched pseudopod upon MCP1/CCL2 stimulation in monocytes.

Form

The isoform LH-iPLA2 is located at the membrane. The isoform SH-iPLA2 is cytoplasmic.

Images



Anti-Calcium-independent Phospholipase A2/PLA2G6 antibody (ab126248) at 1/500 dilution + U87-MG whole cell lysate at 30 µg

Predicted band size: 90 kDa

7.5% SDS-PAGE

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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