

ARG56499 anti-Calcium independent Phospholipase A2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Calcium independent Phospholipase A2
Tested Reactivity	Hu, Ms, Rat, Bov, Hm
Tested Application	WB
Specificity	This antibody does not react to cPLA2 and sPLA2.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Calcium independent Phospholipase A2
Species	Hamster
Immunogen	Synthetic peptide corresponding to aa. 557-576 of Hamster Calcium-independent Phospholipase A2. (PRFNQNINLKPPTQPADQLV)
Conjugation	Un-conjugated
Alternate Names	Intracellular membrane-associated calcium-independent phospholipase A2 beta; NBIA2; GVI; iPLA2; IPLA2-VIA; NBIA2B; PLA2; NBIA2A; INAD1; Patatin-like phospholipase domain-containing protein 9; 85/88 kDa calcium-independent phospholipase A2; EC 3.1.1.4; iPLA2-beta; GVI PLA2; PARK14; PNPLA9; iPLA2beta; Group VI phospholipase A2; Cal-PLA2

Application Instructions

Application table	Application	Dilution
	WB	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

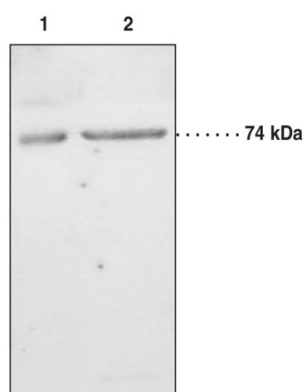
Form	Liquid
Purification	Affinity purification with immunogen.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol Pla2g6

Gene Full Name	phospholipase A2 group VI
Background	The protein encoded by this gene is an A2 phospholipase, a class of enzyme that catalyzes the release of fatty acids from phospholipids. The encoded protein may play a role in phospholipid remodelling, arachidonic acid release, leukotriene and prostaglandin synthesis, fas-mediated apoptosis, and transmembrane ion flux in glucose-stimulated B-cells. Several transcript variants encoding multiple isoforms have been described, but the full-length nature of only three of them have been determined to date. [provided by RefSeq, Dec 2010]
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. [UniProt]
Calculated Mw	90 kDa

Images



ARG56499 anti-Calcium independent Phospholipase A2 antibody WB image

Western blot: 1) 30 µg of CHO cell lysate, and 2) 50 µg of COS-1 cell lysate stained with ARG56499 anti-Calcium independent Phospholipase A2 antibody.