

ARG56498 anti-Phospholipase A2 IIA antibody [SCACC353]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [SCACC353] recognizes Phospholipase A2 IIA
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Specificity	This antibody does not react to Human sPLA2 (Type V).
Host	Mouse
Clonality	Monoclonal
Clone	SCACC353
Isotype	IgG1
Target Name	Phospholipase A2 IIA
Species	Human
Immunogen	Human recombinant synovial Phospholipase A2 IIA.
Conjugation	Un-conjugated
Alternate Names	PLA2B; GIIC sPLA2; EC 3.1.1.4; Non-pancreatic secretory phospholipase A2; PLA2; MOM1; PLA2L; PLAS1; PLA2S; NPS-PLA2; Group IIA phospholipase A2; sPLA2; Phospholipase A2, membrane associated; Phosphatidylcholine 2-acylhydrolase 2A

Application Instructions

Application table	Application	Dilution
	IHC-P	1:150
	IP	1:150
	WB	1:200 (5 µg/ml)
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

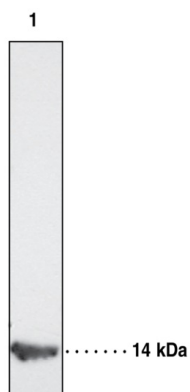
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.1% BSA
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.

Bioinformation

Database links	GeneID: 5320 Human Swiss-port # P14555 Human
Gene Symbol	PLA2G2A
Gene Full Name	phospholipase A2, group IIA (platelets, synovial fluid)
Background	The protein encoded by this gene is a member of the phospholipase A2 family (PLA2). PLA2s constitute a diverse family of enzymes with respect to sequence, function, localization, and divalent cation requirements. This gene product belongs to group II, which contains secreted form of PLA2, an extracellular enzyme that has a low molecular mass and requires calcium ions for catalysis. It catalyzes the hydrolysis of the sn-2 fatty acid acyl ester bond of phosphoglycerides, releasing free fatty acids and lysophospholipids, and thought to participate in the regulation of the phospholipid metabolism in biomembranes. Several alternatively spliced transcript variants with different 5' UTRs have been found for this gene.[provided by RefSeq, Sep 2009]
Function	Thought to participate in the regulation of the phospholipid metabolism in biomembranes including eicosanoid biosynthesis. Catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. [UniProt]
Calculated Mw	16 kDa

Images



ARG56498 anti-Phospholipase A2 IIA antibody [SCACC353] WB image

Western blot: 1) 250ng of Human sPLA2 type II stained with ARG56498 anti-Phospholipase A2 IIA antibody [SCACC353].