

ARG40971
anti-PLA2G7 / Lp-PLA2 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PLA2G7 / Lp-PLA2
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PLA2G7 / Lp-PLA2
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 200-228 of Human PLA2G7.
Conjugation	Un-conjugated
Alternate Names	LDL-PLA; gVIIA-PLA2; LDL-PLA2; Group-VIIA phospholipase A2; 2-acetyl-1-alkylglycerophosphocholine esterase; EC 3.1.1.47; LDL-associated phospholipase A2; PAF 2-acylhydrolase; 2; PAF acetylhydrolase; PAFAH; Platelet-activating factor acetylhydrolase; PAFAD; 1-alkyl-2-acetyl-glycerophosphocholine esterase; LP-PLA2

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:10 - 1:50
	WB	1:1000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HL-60	

Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
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 or below. 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.

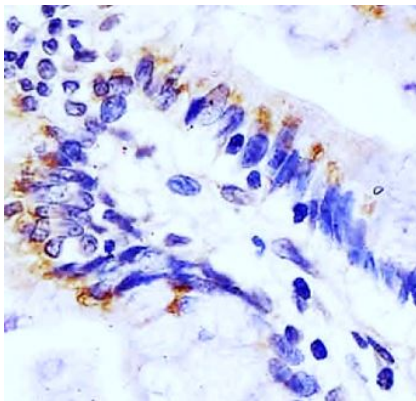
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

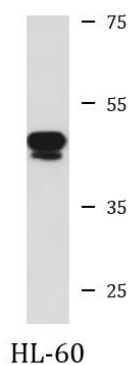
Gene Symbol	PLA2G7
Gene Full Name	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
Background	The protein encoded by this gene is a secreted enzyme that catalyzes the degradation of platelet-activating factor to biologically inactive products. Defects in this gene are a cause of platelet-activating factor acetylhydrolase deficiency. Two transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Dec 2009]
Function	Modulates the action of platelet-activating factor (PAF) by hydrolyzing the sn-2 ester bond to yield the biologically inactive lyso-PAF. Has a specificity for substrates with a short residue at the sn-2 position. It is inactive against long-chain phospholipids. [UniProt]
Calculated Mw	50 kDa
Cellular Localization	Secreted, extracellular space. [UniProt]

Images



ARG40971 anti-PLA2G7 / Lp-PLA2 antibody IHC-P image

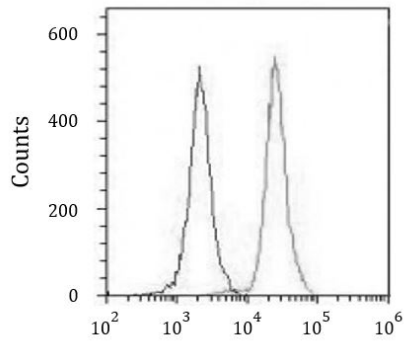
Immunohistochemistry: Paraformaldehyde-fixed and paraffin-embedded Human colon tissue. Tissue was blocked with 3% BSA for 0.5 hour at room temperature. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). Samples were stained with ARG40971 anti-PLA2G7 / Lp-PLA2 antibody at 1:25 dilution for 1 hours at 37°C.



ARG40971 anti-PLA2G7 / Lp-PLA2 antibody WB image

Western blot: 35 µg of HL-60 cell lysate stained with ARG40971 anti-PLA2G7 / Lp-PLA2 antibody.

ARG40971 anti-PLA2G7 / Lp-PLA2 antibody FACS image



Flow Cytometry: HL-60 cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by ARG40971 anti-PLA2G7 / Lp-PLA2 antibody (right histogram) at 1:25 dilution for 60 min at 37°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (left histogram) was Rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Acquisition of > 10000 events was performed.