

## ARG40971 anti-PLA2G7 / Lp-PLA2 antibody

Package: 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	

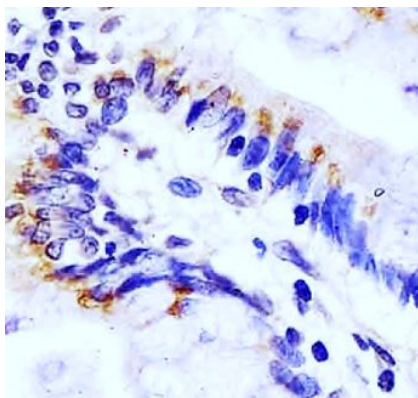
### Properties

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.

## Bioinformation

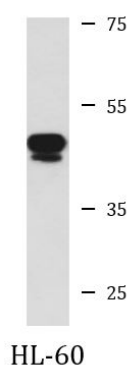
Gene Symbol	PLA2G7
Gene Full Name	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
Background	The protein encoded by this gene is a secreted enzyme that catalyzes the degradation of platelet-activating factor to biologically inactive products. Defects in this gene are 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



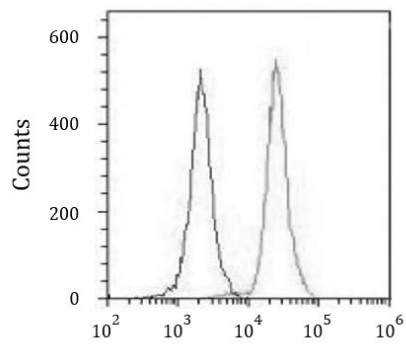
ARG40971 anti-PLA2G7 / Lp-PLA2 antibody IHC-P image

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/ $10^6$  cells) used under the same conditions. Acquisition of > 10000 events was performed.