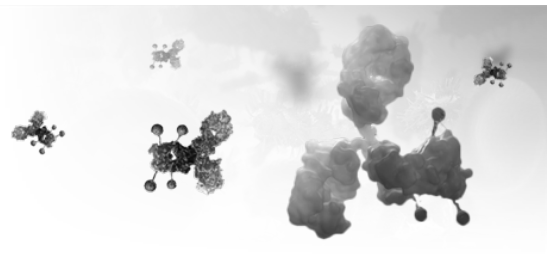

Mouse Anti-Human Lp-PLA2 monoclonal antibody, clone JID518 (CABT-L2778)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human Lp-PLA2
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID518
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Tonsil, Thymus, Placenta
Format	Liquid
Size	Predilut: 7ml; Concentrate: 100ul, 1ml. Positive control slides also available.
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA
Preservative	<0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice
Warnings	This antibody is intended for use in Immunohistochemical applications on formalinfixed paraffin-

embedded tissues (FFPE), frozen tissue sections and cell preparations.

BACKGROUND

Introduction	Lp-PLA2, also known as Lipoprotein-associated Phospholipase A2 or platelet-activating factor acetylhydrolase (PAF-AH), is an enzyme produced by inflammatory cells that functions to inactivate and degrade platelet-activating factor, a potent pro-inflammatory phospholipid, while also being responsible for hydrolyzing oxidatively modified polyunsaturated fatty acids. The products of the enzymatic actions of Lp-PLA2 have been linked to the development of atherosclerosis, and are positively correlated with increased risk of coronary heart disease and stroke. This marker has recently been studied as a therapeutic target for cardiac diseases.
Keywords	PLA2G7;phospholipase A2 group VII;PAFAD;PAFAH;LP-PLA2;LDL-PLA2

GENE INFORMATION

Gene Name	PLA2G7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) [Homo sapiens (human)]
Official Symbol	PLA2G7
Synonyms	PLA2G7; phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma); PAFAD; PAFAH; LP-PLA2; LDL-PLA2; platelet-activating factor acetylhydrolase; LDL-PLA(2); gVIIA-PLA2; PAF 2-acylhydrolase; PAF acetylhydrolase; group-VIIA phospholipase A2; LDL-associated phospholipase A2; lipoprotein-associated phospholipase A2; 1-alkyl-2-acetylglycerophosphocholine esterase; 2-acetyl-1-alkylglycerophosphocholine esterase;
Entrez Gene ID	7941
Protein Refseq	NP_001161829
UniProt ID	Q13093
Chromosome Location	6p21.2-p12
Pathway	Ether lipid metabolism; Lissencephaly gene (LIS1) in neuronal migration and development; Metabolic pathways; Metabolism of proteins; Peptide hormone metabolism; Synthesis, secretion, and deacylation of Ghrelin;
Function	1-alkyl-2-acetylglycerophosphocholine esterase activity; calcium-independent phospholipase A2 activity; phospholipid binding;