



Anti-PLA2G5 (aa 79-94) polyclonal antibody (DPABH-27507)

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

PRODUCT INFORMATION

Antigen Description	PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. This isozyme hydrolyzes more efficiently L-alpha-1-palmitoyl-2-oleoyl phosphatidylcholine than L-alpha-1-palmitoyl-2-arachidonyl phosphatidylcholine, L-alpha-1-palmitoyl-2-arachidonyl phosphatidylethanolamine, or L-alpha-1-stearoyl-2-arachidonyl phosphatidylinositol. May be involved in the production of lung surfactant, the remodeling or regulation of cardiac muscle.
Immunogen	Synthetic peptide: CAIRTQSYDYRYTNGL conjugated to KLH, corresponding to internal sequence amino acids 79-94 of Mouse Secretory phospholipase A2 Type V.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	50 µg
Buffer	pH: 7.40; Constituents: 49% Tris buffered saline, 50% Glycerol, 0.05% BSA
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated

freeze / thaw cycles.

GENE INFORMATION

Gene Name	PLA2G5 phospholipase A3, group V [Mus musculus]
Official Symbol	PLA2G5
Synonyms	PLA2G5; phospholipase A2, group V; PLA2; sPLA2; calcium-dependent phospholipase A2; PLA2-10; group V phospholipase A2; phosphatidylcholine 2-acylhydrolase 5;
Entrez Gene ID	18784
Protein Refseq	NP_001116426.1
UniProt ID	P97391
Pathway	Acyl chain remodelling of PC; Acyl chain remodelling of PG; Acyl chain remodelling of PS; Arachidonic acid metabolism.
Function	calcium ion binding; calcium-dependent phospholipase A2 activity; heparin binding; hydrolase activity
