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Datasheet for ABIN6991764

anti-PLA1A antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	PLA1A
Binding Specificity:	AA 380-430, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLA1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	PLA1A antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human PLA1A. The immunogen is located within amino acids 380 - 430 of PLA1A.
Isotype:	IgG
Specificity:	At least three isoforms of PLA1A are known to exist, this antibody will detect all three isoforms.
Purification:	PLA1A Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PLA1A
Alternative Name:	PLA1A (PLA1A Products)
Background:	PLA1A Antibody: PLA1A is a phospholipase that hydrolyzes fatty acids at the sn-1 position of

Target Details

phosphatidylserine and 1-acyl-2-lysophosphatidylserine. This secreted protein hydrolyzes phosphatidylserine (PS) in liposomes and can also hydrolyze PS in apoptotic cells and activate platelets where the resulting 2-acyl-lysophosphatidylserine acts as a lipid mediator for mast cells, T cells, and neural cells, suggesting that a major function of PLA1A may be the production of lysophospholipid mediators. PLA1A is upregulated in rat peripheral blood cells bearing long-term surviving cardiac allograft. PLA1A is also expressed in human THP-1-derived macrophages and this expression is upregulated in cells treated with lipopolysaccharide, a TLR4 ligand. This upregulation is inhibited with corticosteroids, which are often used at high dosages to suppress chronic allograft rejection.

Molecular Weight: 50 kDa

Gene ID: 51365

NCBI Accession: [NP_056984](#)

UniProt: [Q53H76](#)

Application Details

Application Notes: PLA1A antibody can be used for detection of PLA1A by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PLA1A Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: PLA1A antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.