

Rabbit anti-Human, Rat PLA1A Polyclonal Antibody | anti-PLA1A antibody

PLA1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40607	Rabbit	Human, Rat	Immunofluorescence, Western Blot, ELISA

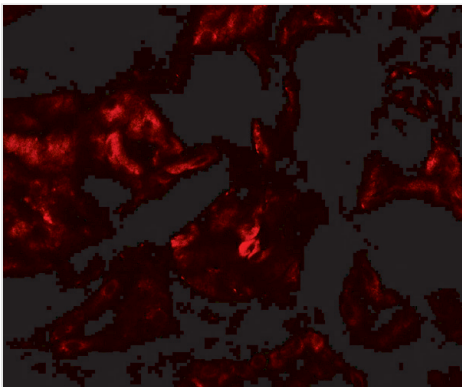
PRODUCT SYNONYMS

PLA1A; Polyclonal Antibody; PLA1A Antibody; PSPLA1; PS-PLA1; NMD; Phospholipase A1 member A; Phosphatidylserine-specific phospholipase A1; phospholipase A1 member A; anti-PLA1A antibody

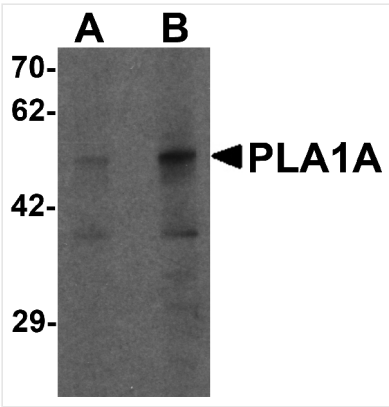
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of PLA1A are known to exist; this antibody will detect all three isoforms.
Purity/Purification	PLA1A Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	456
Applicable Applications for anti-PLA1A antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PLA1A antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human PLA1A.
Buffer	PLA1A Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PLA1A antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of PLA1A in human kidney tissue with PLA1A antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of PLA1A in human kidney tissue lysate with PLA1A antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PLA1A antibody	PLA1A Antibody: PLA1A is a phospholipase that hydrolyzes fatty acids at the sn-1 position of 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7706661
NCBI GeneID	51365
NCBI Accession #	NP_056984
NCBI GenBank Nucleotide #	NM_015900.3
UniProt Accession #	Q53H76; O95991; Q86WX6; Q9UPD2; B2R8V2; B4DXA2
Molecular Weight	50 kDa
NCBI Official Full Name	phospholipase A1 member A isoform 1
NCBI Official Synonym Full Names	phospholipase A1 member A
NCBI Official Symbol	PLA1A
NCBI Official Synonym Symbols	PSPLA1; PS-PLA1
NCBI Protein Information	phospholipase A1 member A; phosphatidylserine-specific phospholipase A1alpha
UniProt Protein Name	Phospholipase A1 member A
UniProt Gene Name	PLA1A
UniProt Synonym Gene Names	NMD; PSPLA1; PS-PLA1
UniProt Entry Name	PLA1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

