

Rabbit anti-Human LYPLA3/PLA2G15 Polyclonal Antibody | anti-LYPLA3/PLA2G15 antibody

Anti-LYPLA3/PLA2G15 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127537	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

LYPLA3/PLA2G15; Polyclonal Antibody; Anti-LYPLA3/PLA2G15 Antibody Picoband; Annexin A8 ; Annexin VIII ; Annexin-8 ; Vascular anticoagulant-beta ; VAC-beta ; ANXA8 ; ANX8; anti-LYPLA3/PLA2G15 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitously expressed.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-LYPLA3/PLA2G15 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human LYPLA3/PLA2G15 recombinant protein (Position: D92-Q372).
Subcellular Localization	Cell membrane, Multi-pass membrane protein, Cell junction, gap junction
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	This protein is an anticoagulant protein that acts as an inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of LYPLA3/PLA2G15 using anti-LYPLA3/PLA2G15 antibody (AAA127537) and anti-Tubulin Alpha antibody (M03989-3).LYPLA3/PLA2G15 was detected in immunocytochemical section of U2OS cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-LYPLA3/PLA2G15 Antibody (AAA127537) and mouse anti-Tubulin Alpha antibody (M03989-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of LYPLA3/PLA2G15 using anti-LYPLA3/PLA2G15 antibody (AAA127537).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human placenta tissue lysates,Lane 2: human SIHA whole cell lysates,Lane 3: human U251 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LYPLA3/PLA2G15 antigen affinity purified polyclonal antibody (#AAA127537) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for LYPLA3/PLA2G15 at approximately 42-57 kDa. The expected band size for LYPLA3/PLA2G15 is at 65-70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-LYPLA3/PLA2G15 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-LYPLA3/PLA2G15 antibody	Primary Antibodies; Signal Transduction; Cardiovascular; Cytoskeleton; Cytoskeleton/ECM; Actin Binding Proteins; Actin, etc.; Microfilaments; Cell Adhesion
References	1. Abe, A., Poucher, H. K., Hiraoka, M., Shayman, J. A. Induction of lysosomal phospholipase A2 through the retinoid X receptor in THP-1 cells. J. Lipid Res. 45: 667-673, 2004. 2. Hiraoka, M., Abe, A., Shayman, J. A. Cloning and characterization of a lysosomal phospholipase A2, 1-O-acylceramide synthase. J. Biol. Chem. 277: 10090-10099, 2002. 3. Taniyama, Y., Shibata, S., Kita, S., Horikoshi, K., Fuse, H., Shirafuji, H., Sumino, Y., Fujino, M. Cloning and expression of a novel lysophospholipase which structurally resembles lecithin cholesterol acyltransferase. Biochem. Biophys. Res. Commun. 257: 50-56, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119603624
NCBI GeneID	23659
UniProt Accession #	Q8NCC3; Q53GZ1; Q9NPQ6; Q9UG04; Q9Y2B3; B3KMF3; B4DUD1
Molecular Weight	35,717 Da
NCBI Official Full Name	lysophospholipase 3 (lysosomal phospholipase A2), isoform CRA_b, partial
NCBI Official Synonym Full Names	phospholipase A2 group XV
NCBI Official Symbol	PLA2G15
NCBI Official Synonym Symbols	ACS; LLPL; LPLA2; LYPLA3; GXVPLA2
NCBI Protein Information	group XV phospholipase A2
UniProt Protein Name	Group XV phospholipase A2
UniProt Gene Name	PLA2G15
UniProt Synonym Gene Names	LYPLA3; ACS; LLPL1 PublicationManual assertion based on opinion iniRef.1; LPLA22 PublicationsManual assertion based on opinion iniRef.11

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