Datasheet for ABIN7602667

anti-PLA2G15 antibody (AA 92-372)

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Overview

Quantity:	100 µg
Target:	PLA2G15
Binding Specificity:	AA 92-372
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLA2G15 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-LYPLA3/PLA2G15 Antibody Picoband®
Immunogen:	E.coli-derived human LYPLA3/PLA2G15 recombinant protein (Position: D92-Q372).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-LYPLA3/PLA2G15 Antibody Picoband® (ABIN7602667). Tested in ELISA, , IF, ICC, WB applications. This antibody reacts with Human. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	PLA2G15
Alternative Name:	PLA2G15 (PLA2G15 Products)
Background:	Synonyms: Annexin A8 ,Annexin VIII ,Annexin-8 ,Vascular anticoagulant-beta ,VAC-beta ,ANXA8 ,ANX8, Tissue Specificity: Ubiquitously expressed. Background: LYPLA3, also known as Group XV phospholipase A2, is an enzyme that in humans is encoded by the PLA2G15 gene. Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene hydrolyzes lysophosphatidylcholine to glycerophosphorylcholine and a free fatty acid. This enzyme is present in the plasma and thought to be associated with high-density lipoprotein. A later paper contradicts the function of this gene. It demonstrates that this gene encodes a lysosomal enzyme instead of a lysophospholipase and has both calcium-independent phospholipase A2 and transacylase activities.
Molecular Weight:	42-57 kDa
Gene ID:	23659
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.

