

Product Datasheet

LYPLA3/PLA2G15 Rabbit Polyclonal Antibody (orb1728150)

Catalog Number	orb1728150
Category	Antibodies
Description	Anti-LYPLA3/PLA2G15 Antibody. Tested in ELISA, , IF, ICC, WB applications. This antibody reacts with Human.
Target	Lysosomal phospholipase A and acyltransferase
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Buffer/Preservatives	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Immunogen	E.coli-derived human LYPLA3/PLA2G15 recombinant protein (Position: D92-Q372).
UniProt ID	Q8NCC3

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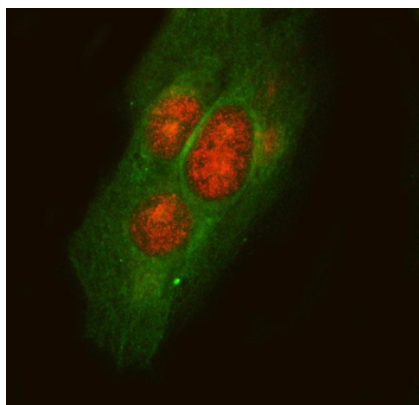
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MW	42-57 kDa
Tested applications	ELISA, ICC, IF, WB
Dilution range	Western blot, 0.25-0.5 µg/ml, Human Immunocytochemistry/Immunofluorescence, 5 µg/ml, Human ELISA, 0.1-0.5 µg/ml
Cross Reactivity	No cross-reactivity with other proteins.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IF analysis of LYPLA3/PLA2G15 using anti-LYPLA3/PLA2G15 antibody and anti-Tubulin Alpha antibody. 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 5 µg/mL rabbit anti-LYPLA3/PLA2G15 Antibody and mouse anti-Tubulin Alpha antibody overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG and DyLight®488 Conjugated Goat Anti-Mouse IgG were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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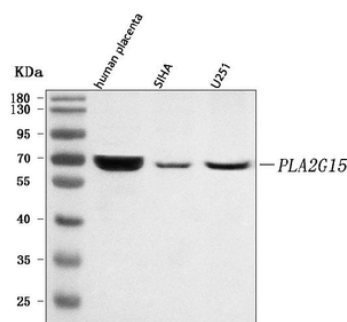
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Western blot analysis of LYPLA3/PLA2G15 using anti-LYPLA3/PLA2G15 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample 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 at 0.5 µg/mL overnight at 4°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.

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