

Rabbit LYPLA1 Polyclonal Antibody | anti-LYPLA1 antibody

LYPLA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324416	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

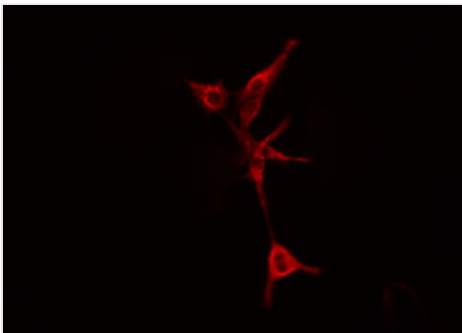
PRODUCT SYNONYMS

LYPLA1; Polyclonal Antibody; LYPLA1 Antibody; Acyl protein thioesterase 1; Acyl-protein thioesterase 1; APT 1; APT-1; APT1; hAPT1; LPL-I; LPL1; LYPA1_HUMAN; LYPLA 1; Lysophospholipase 1; Lysophospholipase I; Lysophospholipid specific lysophospholipase; LYSOPLA; LysoPLA I; anti-LYPLA1 antibody

PRODUCT SPECIFICATIONS

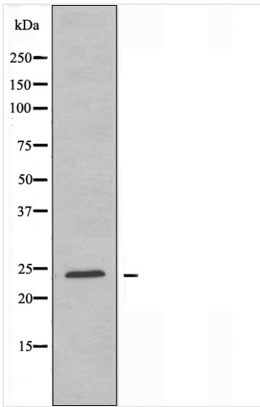
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LYPLA1 antibody detects endogenous levels of total LYPLA1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	196
Applicable Applications for anti-LYPLA1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (91%), Zebrafish (100%), Bovine (100%), Horse (91%), Sheep (100%), Rabbit (100%), Dog (91%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324416 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from COLO cells, using LYPLA1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-LYPLA1 antibody	Function: Hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS. Has depalmitoylating activity toward KCNMA1. Has low lysophospholipase activity. Subunit Structure: Homodimer. Similarity: Belongs to the AB hydrolase superfamily. AB hydrolase 2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	525342559
NCBI GeneID	10434
NCBI Accession #	NP_001266285.1
NCBI GenBank Nucleotide #	NM_001279356.1
UniProt Accession #	O75608; O43202; Q9UQF9
Molecular Weight	Observed: 25 kD Predicted: 25 kDa
NCBI Official Full Name	acyl-protein thioesterase 1 isoform 2
NCBI Official Synonym Full Names	lysophospholipase 1
NCBI Official Symbol	LYPLA1
NCBI Official Synonym Symbols	APT1; LPL1; APT-1; LPL-I; hAPT1
NCBI Protein Information	acyl-protein thioesterase 1
UniProt Protein Name	Acyl-protein thioesterase 1
UniProt Gene Name	LYPLA1
UniProt Synonym Gene Names	APT1; LPL1; APT-1; hAPT1; LPL-I; LysoPLA I

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.