

Anti-LYPLA2 Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18546

Product Information

Application	IHC-P, IF, E
Primary Accession	O95372
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	24737
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	11313
Alias Symbol	LYPLA2
Other Names	LYPLA2, Acyl-protein thioesterase 2, APT-2, APT2, DJ886K2.4, LysoPLA II, LPL-II, Lysophospholipase II
Target/Specificity	Human LYPLA2
Reconstitution & Storage	Caprylic acid and ammonium sulfate precipitation
Precautions	Anti-LYPLA2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LYPLA2
Synonyms	APT2
Function	Acts as an acyl-protein thioesterase hydrolyzing fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins, GSDMD, GAP43, ZDHHC6 or HRAS (PubMed: 21152083 , PubMed: 28826475). Deacylates GAP43 (PubMed: 21152083). Mediates depalmitoylation of ZDHHC6 (PubMed: 28826475). Has lysophospholipase activity (PubMed: 25301951). Hydrolyzes prostaglandin glycerol esters (PG-Gs) in the following order prostaglandin D2-glycerol ester (PGD2-G) > prostaglandin E2 glycerol ester (PGE2-G) > prostaglandin F2-alpha- glycerol ester (PGF2-alpha-G) (PubMed: 25301951). Hydrolyzes 1- arachidonoylglycerol but not 2-arachidonoylglycerol or arachidonoylethanolamide (PubMed: 25301951).

Cellular Location	Cytoplasm.
Tissue Location	Expressed in various breast cancer cell lines.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.