

LYPLA2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17835B**Specification**

LYPLA2 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O95372
Other Accession	O9OYL8 , O9WTL7 , NP_009191.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24737
Antigen Region	181-207

LYPLA2 Antibody (C-term) - Additional Information**Gene ID** 11313**Other Names**

Acyl-protein thioesterase 2, APT-2, 312-, Lysophospholipase II, LPL-II, LysoPLA II, LYPLA2, APT2

Target/Specificity

This LYPLA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 181-207 amino acids from the C-terminal region of human LYPLA2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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.

Precautions

LYPLA2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LYPLA2 Antibody (C-term) - 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

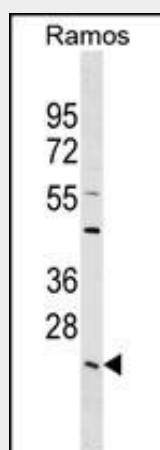
Expressed in various breast cancer cell lines.

LYPLA2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LYPLA2 Antibody (C-term) - Images



LYPLA2 Antibody (C-term) (Cat. #AP17835b) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the LYPLA2 antibody detected the LYPLA2 protein (arrow).

LYPLA2 Antibody (C-term) - Background

Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. There

are alternatively spliced transcript variants described for this gene but the full length nature is not known yet. [provided by RefSeq].

LYPLA2 Antibody (C-term) - References

Ma, J., et al. Atherosclerosis 191(1):63-72(2007)
Wang, A., et al. Biochim. Biophys. Acta 1439(1):1-16(1999)