

LYPLA2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17835b**Specification**

LYPLA2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O95372](#)**LYPLA2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 11313**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LYPLA2 Antibody (C-term) Blocking Peptide - 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, 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 arachidonoyl ethanolamide (PubMed:25301951).

Cellular Location

Cytoplasm.

Tissue Location

Expressed in various breast cancer cell lines.

LYPLA2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LYPLA2 Antibody (C-term) Blocking Peptide - Images**LYPLA2 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - References

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