

Goat Anti-LYPLAL1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1641a**Specification**

Goat Anti-LYPLAL1 Antibody - Product Information

Application	WB
Primary Accession	Q5VWZ2
Other Accession	NP_620149 , 127018
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	26316

Goat Anti-LYPLAL1 Antibody - Additional Information**Gene ID** 127018**Other Names**

Lysophospholipase-like protein 1, 3.1.2.-, LYPLAL1

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-LYPLAL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-LYPLAL1 Antibody - Protein Information**Name** LYPLAL1 {ECO:0000303|PubMed:37802025, ECO:0000312|HGNC:HGNC:20440}**Function**

Palmitoyl thioesterase that catalyzes depalmitoylation of CGAS and KCNMA1 (PubMed:22052940, PubMed:22399288, PubMed:37802025). Acts as a regulator of innate immunity by mediating depalmitoylation of CGAS, thereby preventing CGAS homodimerization and cyclic GMP-AMP synthase activity (PubMed:37802025). Does not

exhibit phospholipase nor triacylglycerol lipase activity, able to hydrolyze only short chain substrates due to its shallow active site (PubMed:22052940).

Cellular Location

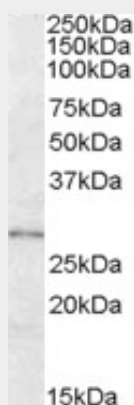
[Isoform 1]: Cytoplasm, cytosol

Goat Anti-LYPLAL1 Antibody - 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](#)

Goat Anti-LYPLAL1 Antibody - Images



AF1641a (0.3 µg/ml) staining of Human Adipose lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-LYPLAL1 Antibody - References

Polymorphisms in NRXN3, TFAP2B, MSRA, LYPLAL1, FTO and MC4R and their effect on visceral fat area in the Japanese population. Hotta K, et al. J Hum Genet, 2010 Aug 12. PMID 20703240.

Genome-wide association scan meta-analysis identifies three Loci influencing adiposity and fat distribution. Lindgren CM, et al. PLoS Genet, 2009 Jun. PMID 19557161.

The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414.

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.