

Goat Anti-Endothelial lipase Antibody
Peptide-affinity purified goat antibody
Catalog # AF1368a

Specification

Goat Anti-Endothelial lipase Antibody - Product Information

Application	WB
Primary Accession	O9Y5X9
Other Accession	NP_006024 , 9388
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	56795

Goat Anti-Endothelial lipase Antibody - Additional Information

Gene ID 9388

Other Names

Endothelial lipase, 3.1.1.3, Endothelial cell-derived lipase, EDL, EL, LIPG

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-Endothelial lipase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Endothelial lipase Antibody - Protein Information

Name LIPG

Function

Exerts both phospholipase and triglyceride lipase activities (PubMed: [10192396](http://www.uniprot.org/citations/10192396), PubMed: [10318835](http://www.uniprot.org/citations/10318835), PubMed: [12032167](http://www.uniprot.org/citations/12032167)). More active as a phospholipase than a triglyceride lipase (PubMed: [12032167](http://www.uniprot.org/citations/12032167)). Hydrolyzes triglycerides, both with short-chain fatty acyl groups (tributylin) and long-chain fatty acyl groups

(triolein) with similar levels of activity toward both types of substrates (PubMed:12032167). Hydrolyzes high density lipoproteins (HDL) more efficiently than other lipoproteins (PubMed:10192396, PubMed:12032167).

Cellular Location

Secreted.

Tissue Location

High level of expression in the liver, placenta, lung, thyroid, kidney, testis and in the corpus luteum of the ovary Expressed also in coronary artery endothelial cells, umbilical vein endothelial cells and in hepatocytes and osteosarcoma cell lines. Not detected in heart, brain and muscle.

Goat Anti-Endothelial lipase 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-Endothelial lipase Antibody - Images



AF1368a (0.3 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Endothelial lipase Antibody - Background

The protein encoded by this gene has substantial phospholipase activity and may be involved in lipoprotein metabolism and vascular biology. This protein is designated a member of the TG lipase family by its sequence and characteristic lid region which provides substrate specificity for enzymes of the TG lipase family.

Goat Anti-Endothelial lipase Antibody - References

Pharmacogenetic analysis of lipid responses to rosuvastatin in Chinese patients. Hu M, et al.

Pharmacogenet Genomics, 2010 Oct. PMID 20679960.

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Role of endothelial lipase in atherosclerosis. Huang J, et al. Transl Res, 2010 Jul. PMID 20621031.

Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Ruaño G, et al. Pharmacogenomics, 2010 Jul. PMID 20602615.

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