

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
Host
Clonality
Concentration
Isotype
Human
Goat
Polyclonal
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 lgG/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:<a

 $href="http://www.uniprot.org/citations/12032167" target="_blank">12032167, PubMed:10318835, PubMed:10192396). More active as a phospholipase than a triglyceride lipase (PubMed:10192396).$

href="http://www.uniprot.org/citations/12032167" target="_blank">12032167). Hydrolyzes triglycerides, both with short-chain fatty acyl groups (tributyrin) 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:12032167, PubMed:10192396).

Cellular Location Secreted.

Tissue Location

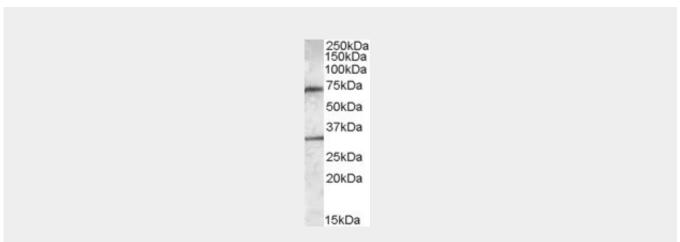
High level of expression in the liver, placenta, lung, thyroid, kidney, testis and in the corpus luteum of the ovary Expressed also in coronary artery endothelial cells, umbilical vein endothelial cells and in hepatocytes and osteosarcoma cell lines. Not detected in heart, brain and muscle.

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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Goat Anti-Endothelial lipase Antibody - Images



AF1368a (0.3 μ g/ml) staining of Human Liver lysate (35 μ g 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.







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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? Rua o G, et al. Pharmacogenomics, 2010 Jul. PMID

Evaluating the discriminative power of multi-trait genetic risk scores for type 2 diabetes in a northern Swedish population. Fontaine-Bisson B, et al. Diabetologia, 2010 Oct. PMID 20571754.