

Endothelial Lipase Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10495

Specification

Endothelial Lipase Antibody - Product Information

Application	WB, IHC
Primary Accession	O9Y5X9
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	56795

Endothelial Lipase Antibody - Additional Information

Gene ID 9388

Application & Usage Western blotting (0.5-4 µg/ml), Immunohistochemistry (5-20 µg/ml, frozen & paraffin sections, human thyroid). However, the optimal conditions should be determined individually. The antibody detects 57 kDa band in samples from human, mouse, rat, porcine, and ovine origins.

Other Names
EL, LIPG, EDL

Target/Specificity
Endothelial Lipase

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit anti-Endothelial Lipase polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions

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

Endothelial Lipase Antibody - Protein Information

Name LIPG

Function

Exerts both phospholipase and triglyceride lipase activities (PubMed:10192396, PubMed:10318835, PubMed:12032167). More active as a phospholipase than a triglyceride lipase (PubMed: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.

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](#)

Endothelial Lipase Antibody - Images

Endothelial Lipase Antibody - Background

Endothelial lipase (EL) is a member of the triglyceride lipase gene family. It functions primarily as a phospholipase and has low triglyceride lipase activity. It was originally cloned from endothelial cells and found to be expressed in high level in the liver, placenta, lung, ovary, and macrophage. The wide spread distribution of this protein suggests it plays a general role in lipid metabolism. Human endothelial lipase has an estimated molecular weight of 57 kDa.