

**Endothelial Lipase Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10495****Specification**

---

**Endothelial Lipase Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O9Y5X9</a>
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:<a href="http://www.uniprot.org/citations/12032167" target="\_blank">12032167</a>, PubMed:<a href="http://www.uniprot.org/citations/10318835" target="\_blank">10318835</a>, PubMed:<a href="http://www.uniprot.org/citations/10192396" target="\_blank">10192396</a>). More active as a phospholipase than a triglyceride lipase (PubMed:<a href="http://www.uniprot.org/citations/12032167" target="\_blank">12032167</a>). 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:<a href="http://www.uniprot.org/citations/12032167" target="\_blank">12032167</a>). Hydrolyzes high density lipoproteins (HDL) more efficiently than other lipoproteins (PubMed:<a href="http://www.uniprot.org/citations/12032167" target="\_blank">12032167</a>, PubMed:<a href="http://www.uniprot.org/citations/10192396" target="\_blank">10192396</a>).

**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.