

LIPG Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13428c**Specification**

LIPG Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9Y5X9](#)**LIPG Antibody (Center) Blocking peptide - Additional Information****Gene ID** 9388**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13428c was selected from the Center region of LIPG. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LIPG Antibody (Center) Blocking peptide - Protein Information**Name** LIPG**Function**

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

LIPG Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

LIPG Antibody (Center) Blocking peptide - Images**LIPG Antibody (Center) Blocking peptide - 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.

LIPG Antibody (Center) Blocking peptide - References

Hu, M., et al. Pharmacogenet. Genomics 20(10):634-637(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Fontaine-Bisson, B., et al. Diabetologia 53(10):2155-2162(2010) Huang, J., et al. Transl Res 156(1):1-6(2010) Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010)