

LIPG Antibody (Center) Blocking peptide

Synthetic peptide Catalog # BP13428c

Specification

LIPG Antibody (Center) Blocking peptide - Product Information

Primary Accession

09Y5X9

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

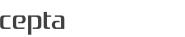
Function

Exerts both phospholipase and triglyceride lipase activities (PubMed:<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:<a

 $href="http://www.uniprot.org/citations/12032167" target="_blank">12032167, PubMed:10192396).$



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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 lipoproteinmetabolism and vascular biology. This protein is designated amember of the TG lipase family by its sequence and characteristiclid region which provides substrate specificity for enzymes of theTG 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)