

Anti-Lipoprotein lipase LPL Rabbit Monoclonal Antibody Catalog # ABO14261

Specification

Anti-Lipoprotein lipase LPL Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	P06858
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-Lipoprotein lipase LPL Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

Anti-Lipoprotein lipase LPL Rabbit Monoclonal Antibody - Additional Information

Gene ID 4023

Other Names

Lipoprotein lipase, LPL, 3.1.1.34, Phospholipase A1, 3.1.1.32, LPL, LIPD

Calculated MW

53162 MW KDa

Application Details

WB 1:1000-1:5000
IHC 1:50-1:200

Subcellular Localization

Cell membrane ; Lipid-anchor, GPI-anchor. Secreted. Locates to the plasma membrane of microvilli of hepatocytes with triacyl- glycerol-rich lipoproteins (TRL). Some of the bound LPL is then internalized and located inside non-coated endocytic vesicles (By similarity)..

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Lipoprotein lipase

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Lipoprotein lipase LPL Rabbit Monoclonal Antibody - Protein Information

Name LPL

Synonyms LIPD

Function

Key enzyme in triglyceride metabolism. Catalyzes the hydrolysis of triglycerides from circulating chylomicrons and very low density lipoproteins (VLDL), and thereby plays an important role in lipid clearance from the blood stream, lipid utilization and storage (PubMed:11342582, PubMed:27578112, PubMed:8675619). Although it has both phospholipase and triglyceride lipase activities it is primarily a triglyceride lipase with low but detectable phospholipase activity (PubMed:12032167, PubMed:7592706). Mediates margination of triglyceride-rich lipoprotein particles in capillaries (PubMed:24726386). Recruited to its site of action on the luminal surface of vascular endothelium by binding to GPIHBP1 and cell surface heparan sulfate proteoglycans (PubMed:11342582, PubMed:27811232).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P11151}; Peripheral membrane protein {ECO:0000250|UniProtKB:P11151}; Extracellular side {ECO:0000250|UniProtKB:P11151}. Secreted. Secreted, extracellular space, extracellular matrix. Note=Newly synthesized LPL binds to cell surface heparan proteoglycans and is then released by heparanase Subsequently, it becomes attached to heparan proteoglycan on endothelial cells (PubMed:27811232). Locates to the plasma membrane of microvilli of hepatocytes with triglyceride-rich lipoproteins (TRL) Some of the bound LPL is then internalized and located inside non-coated endocytic vesicles (By similarity) {ECO:0000250|UniProtKB:P11151, ECO:0000269|PubMed:27811232}

Tissue Location

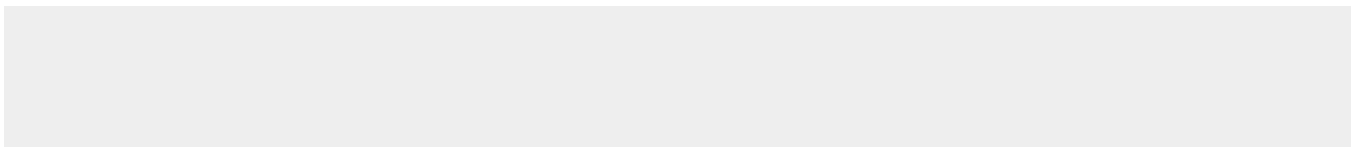
Detected in blood plasma (PubMed:11893776, PubMed:12641539, PubMed:2340307). Detected in milk (at protein level) (PubMed:2340307).

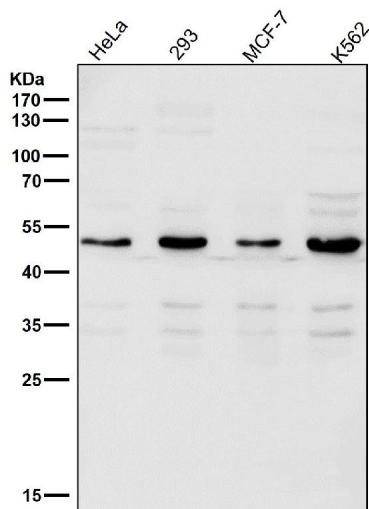
Anti-Lipoprotein lipase LPL Rabbit Monoclonal Antibody - Protocols

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

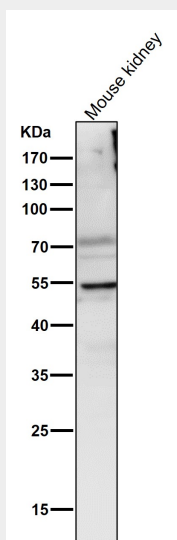
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Lipoprotein lipase LPL Rabbit Monoclonal Antibody - Images

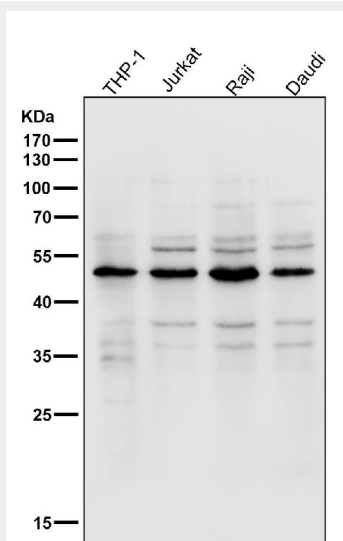




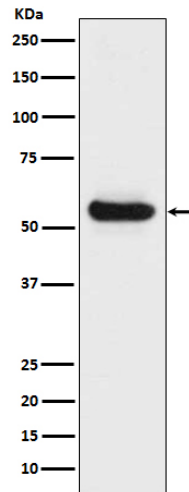
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Western blot analysis of Lipoprotein lipase expression in Human fetal liver lysate.