

# Polyclonal Antibody to Lipoprotein lipase (LPL)

Lipoprotein lipase  
Catalog # AP74485

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q06000</a> |
| Reactivity        | Rat                    |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 53082                  |

## Additional Information

|                    |                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 24539                                                                                                                                                                                |
| Other Names        | LIPD; Lipase, Lipoprotein                                                                                                                                                            |
| Target/Specificity | Rattus norvegicus (Rat)                                                                                                                                                              |
| Dilution           | WB~~Western blotting: 0.5-2 $\mu$ g/mL<br>Immunohistochemistry: 5-20 $\mu$ g/mL<br>Immunocytochemistry: 5-20 $\mu$ g/mL<br>Optimal working dilutions must be determined by end user. |
| Format             | PBS, pH7.4, containing 0.02% NaN <sub>3</sub> , 50% glycerol.                                                                                                                        |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                                                            |

## Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | Lpl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Function          | Key enzyme in triglyceride metabolism (By similarity). 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 (By similarity). Although it has both phospholipase and triglyceride lipase activities it is primarily a triglyceride lipase with low but detectable phospholipase activity (By similarity). Mediates margination of triglyceride-rich lipoprotein particles in capillaries (By similarity). Recruited to its site of action on the luminal surface of vascular endothelium by binding to GPIHBP1 and cell surface heparan sulfate proteoglycans (By similarity). |
| Cellular Location | Cell membrane {ECO:0000250 UniProtKB:P11151}; Peripheral membrane protein {ECO:0000250 UniProtKB:P11151}; Extracellular side {ECO:0000250 UniProtKB:P11151}. Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

{ECO:0000250|UniProtKB:P11151}. Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P11151}. 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. 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.  
{ECO:0000250|UniProtKB:P11151}

## Images

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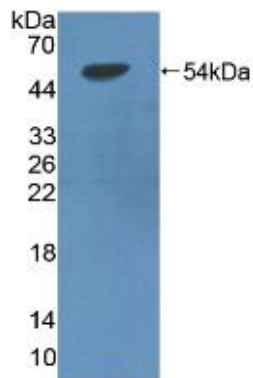


Figure. Western Blot; Sample: Recombinant LIPD, Rat.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.