



Polyclonal Anti- Lipoprotein lipase, LPL

Catalogue No. PA1304

Lot No. 09H01

Ig type rabbit IgG

Size 100µg/vial

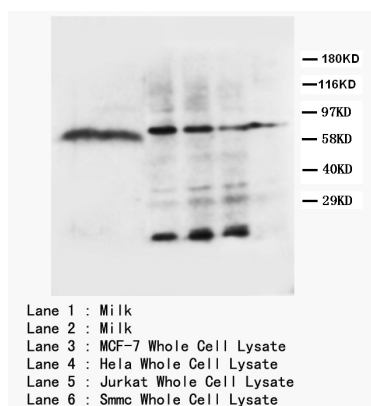
Specificity

Bovine, human.

No cross reactivity with other proteins.

Recommended application

Western blot



Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human LPL, different to the related rat sequence by two amino acids.

Purity

Immunogen affinity purified.

Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Bovine, Hu	-	-
IHC-P	-	-	-	-
IHC-F	-	-	-	-
ICC	-	-	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

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BACKGROUND

Lipoprotein lipase (LPL) is the central enzyme in plasma triglyceride hydrolysis and is secreted by macrophages in the subendothelial space. Evidence has been provided that LPL produced by macrophages in the vessel wall exerts proatherogenic effects. Lipoprotein lipase has been difficult to purify, and its protein sequence remained undetermined until it could be deduced from the nucleotide sequence of its cDNA. The gene encodes a protein of 475 amino acids that becomes a mature protein of 448 residues after cleavage of a signal peptide. Analysis of the sequence indicated that human lipoprotein lipase, hepatic lipase, and pancreatic lipase are members of a gene family. The atherogenic effects of LPL have been mainly attributed to its ability to favor lipid accumulation within macrophages present in the atherosclerotic lesion.

REFERENCE

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3. Lo, J. Y.; Smith, L. C.; Chan, L. : Lipoprotein lipase: role of intramolecular disulfide bonds in enzyme catalysis. *Biochem. Biophys. Res. Commun.* 206: 266-271, 1995.
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