Polyclonal Anti- Lipoprotein lipase, **LPL *(*Sepharose Bead Conjugate)**

Catalogue No. PA1304-S

Lot No. 09H01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Bovine, human. No cross reactivity with other proteins.

Recommended application

(Immunoprecipitation(IP)

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.

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN_3a_3 preservative.

Storage

Store at 4˚C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

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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