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Hepatic Lipase Polyclonal Antibody

Catalog # AP70309

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P11150
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55914

Additional Information

Gene ID	3990
Other Names	LIPC; HTGL; Hepatic triacylglycerol lipase; HL; Hepatic lipase; Lipase member C
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

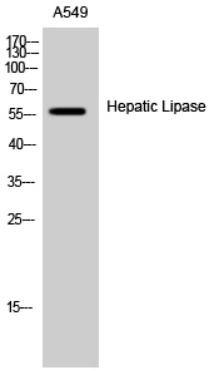
Protein Information

Name	LIPC
Synonyms	HTGL
Function	Catalyzes the hydrolysis of triglycerides and phospholipids present in circulating plasma lipoproteins, including chylomicrons, intermediate density lipoproteins (IDL), low density lipoproteins (LDL) of large size and high density lipoproteins (HDL), releasing free fatty acids (FFA) and smaller lipoprotein particles (PubMed:12032167, PubMed:26193433, PubMed:7592706, PubMed:8798474). Also exhibits lysophospholipase activity (By similarity). Can hydrolyze both neutral lipid and phospholipid substrates but shows a greater binding affinity for neutral lipid substrates than phospholipid substrates (By similarity). In native LDL, preferentially hydrolyzes the phosphatidylcholine species containing polyunsaturated fatty acids at sn-2 position (PubMed:26193433).
Cellular Location	Secreted.

Background

Hepatic lipase has the capacity to catalyze hydrolysis of phospholipids, mono-, di-, and triglycerides, and acyl-CoA thioesters. It is an important enzyme in HDL metabolism. Hepatic lipase binds heparin.

Images



Western Blot analysis of A549 cells using Hepatic Lipase Polyclonal Antibody