

**LIPC Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11249a****Specification**

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**LIPC Antibody (N-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | FC, WB,E                    |
| Primary Accession | <a href="#">P11150</a>      |
| Other Accession   | <a href="#">NP_000227.2</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 55914                       |
| Antigen Region    | 9-36                        |

**LIPC Antibody (N-term) - Additional Information****Gene ID** 3990**Other Names**

Hepatic triacylglycerol lipase, HL, Hepatic lipase, Lipase member C, LIPC, HTGL

**Target/Specificity**

This LIPC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-36 amino acids from the N-terminal region of human LIPC.

**Dilution**

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

LIPC Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**LIPC Antibody (N-term) - 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

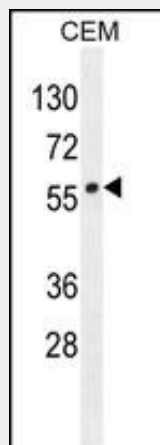
Secreted.

## LIPC Antibody (N-term) - Protocols

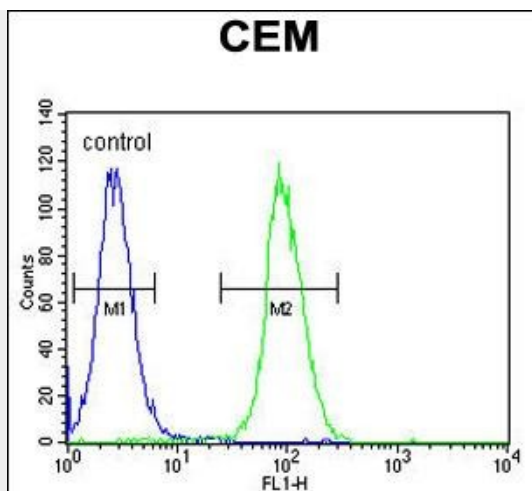
Provided below are standard protocols that you may find useful for product applications.

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

## LIPC Antibody (N-term) - Images



LIPC Antibody (N-term) (Cat. #AP11249a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the LIPC antibody detected the LIPC protein (arrow).



LIPC Antibody (N-term) (Cat. #AP11249a) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **LIPC Antibody (N-term) - Background**

LIPC encodes hepatic triglyceride lipase, which is expressed in liver. LIPC has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake.

#### **LIPC Antibody (N-term) - References**

Reynolds, R., et al. Ophthalmology 117(10):1989-1995(2010)  
Jablonski, K.A., et al. Diabetes 59(10):2672-2681(2010)  
Hu, M., et al. Pharmacogenet. Genomics 20(10):634-637(2010)  
Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :  
Kashani Farid, M.A., et al. Lipids Health Dis 9, 96 (2010) :