Datasheet for ABIN7158443

# anti-Lipoprotein Lipase antibody (AA 162-246)

2 Images

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | Lipoprotein Lipase (LPL) |
| Binding Specificity: | AA 162-246 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Lipoprotein Lipase antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF) |

## Product Details

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|---|---|
| Immunogen: | Recombinant Human Lipoprotein lipase protein (162-246AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

## Target Details

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|---|---|
| Target: | Lipoprotein Lipase (LPL) |
| Alternative Name: | LPL (LPL Products) |
| Background: | Background: The primary function of this lipase is the hydrolysis of triglycerides of circulating chylomicrons and very low density lipoproteins (VLDL) (PubMed:27578112). Binding to heparin |

## Target Details

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|---|---|
| | sulfate proteogylcans at the cell surface is vital to the function. The apolipoprotein, APOC2, acts as a coactivator of LPL activity in the presence of lipids on the luminal surface of vascular endothelium (By similarity).<br>Aliases: EC 3.1.1 antibody, EC 3.1.1.34 antibody, HDLCQ11 antibody, LIPD antibody, LIPL_HUMAN antibody, Lipoprotein lipase antibody, LPL antibody, LPL protein antibody, MGC137861 antibody |
| UniProt: | P06858 |
| Pathways: | Lipid Metabolism |

## Application Details

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|---|---|
| Application Notes: | Recommended dilution: IHC:1:500-1:1000, IF:1:200-1:500, |
| Restrictions: | For Research Use only |

## Handling

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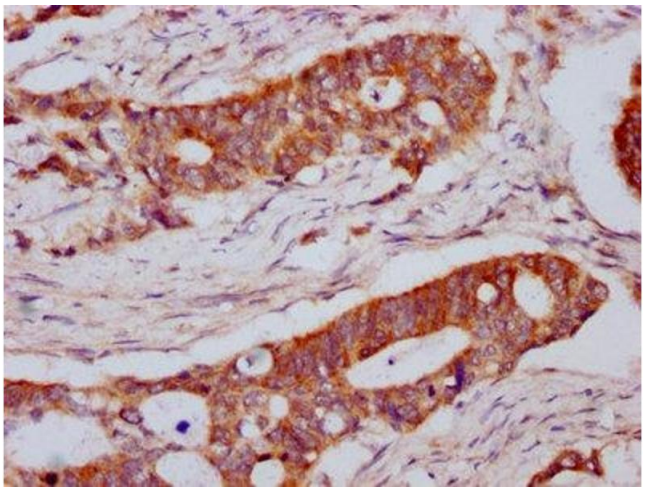
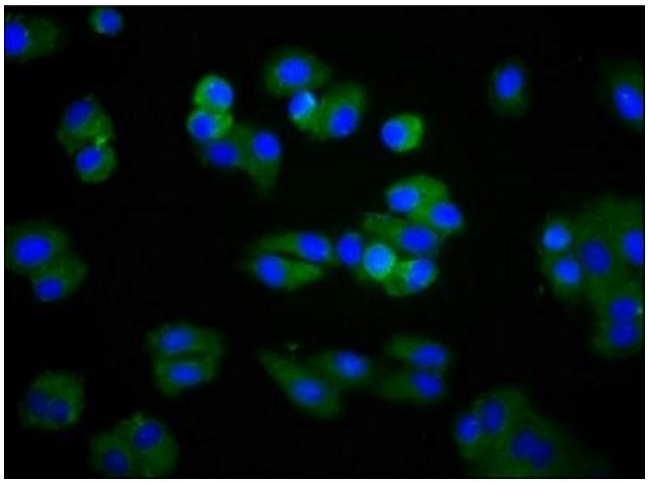
| Format: | Liquid |
| Buffer: | Preservative: 0.03 % Proclin 300<br>Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4 |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |



## Immunohistochemistry

**Image 1.** IHC image of ABIN7158443 diluted at 1:800 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



## Immunofluorescence

**Image 2.** Immunofluorescence staining of HepG2 cells with ABIN7158443 at 1:266, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).