

Anti-Lipoprotein lipase Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat(predicted:Mouse,Pig,Cow,Rabbit,Sheep,GuineaPig)
Molecular Weight:	Theoretical: 52 kDa. Actual: 60 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Lipoprotein lipase) Polyclonal Antibody, Unconjugated (TMAB-01073) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Blank control (blue line): raji (fixed with pre-warmed 4% paraformaldehyde for 30 min at 37°C and then permeabilized with 90% ice-cold methanol for 30 min on ice)

Primary Antibody (green line): Rabbit Anti-Lipoprotein lipase antibody (TMAB-01073);

Dilution: 0.2 µg/10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE;

Dilution: 1 µg/test.

Verified Activity:

3. Sample: Heart (Mouse) Lysate at 40 µg

Primary: Anti-Lipoprotein lipase (TMAB-01073) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kDa

Observed band size: 55 kDa

4. Sample:

Lane 1: Human HeLa cell lysates

Lane 2: Human MCF-7 cell lysates

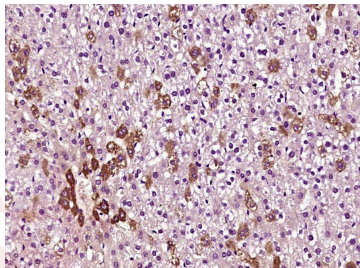
Lane 3: Human HL-60 cell lysates

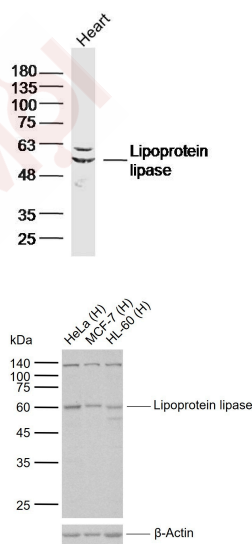
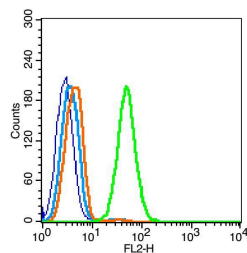
Primary: Anti-Lipoprotein lipase (TMAB-01073) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kDa

Observed band size: 60 kDa





Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 0.2µg /test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human LPL

Antigen Species: Human

Gene ID: 4023

Uniprot ID: P06858

Synonyms: LIPL;LIPD;LPL;HDLQC11;MGC137861;Lipoprotein lipase;EC 3.1.1.34

Biology Area: Metabolism of lipids and lipoproteins,Lipases,Lipases,Lipid metabolism,Cancer,Obesity,Lipid metabolism,Adipogenesis

Research 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. The atherogenic effects of LPL have been mainly attributed to its ability to favor lipid accumulation within macrophages present in the atherosclerotic lesion. Recently, it has also been shown that LPL promote the development of atherosclerosis through facilitation of monocyte adhesion to endothelial cells, stimulation of tumor necrosis factor alpha (TNF) secretion and induction of vascular smooth muscle cell proliferation.

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