

Anti-Lipoprotein lipase antibody [LPL.A4] ab21356

★★★★★ [9 Abreviews](#) [56 References](#) [画像数 2](#)

製品の概要

製品名	Anti-Lipoprotein lipase antibody [LPL.A4]
製品の詳細	Mouse monoclonal [LPL.A4] to Lipoprotein lipase
由来種	Mouse
アプリケーション	適用あり: Flow Cyt, WB
種交差性	交差種: Cow, Human
免疫原	Full length protein corresponding to Human Lipoprotein lipase.
ポジティブ・コントロール	Purified human and bovine recombinant Lipoprotein lipase.
特記事項	<p>This product was changed from ascites to tissue culture supernatant on 25th May 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituent: PBS
精製度	Protein A purified
特記事項(精製)	Protein A affinity chromatography
ポリ/モノ	モノクローナル
クローン名	LPL.A4

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab21356の使用に適用されず**

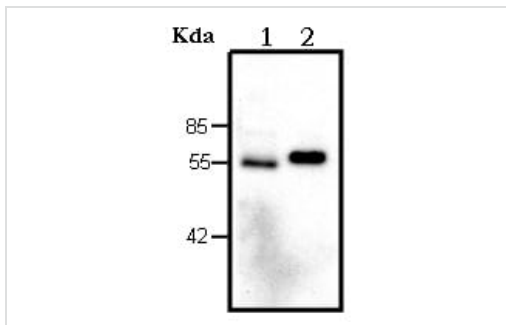
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB	★★★★☆ (4)	1/1000. Predicted molecular weight: 53 kDa.

ターゲット情報

機能	The primary function of this lipase is the hydrolysis of triglycerides of circulating chylomicrons and very low density lipoproteins (VLDL). Binding to heparin sulfate proteoglycans 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.
関連疾患	Defects in LPL are the cause of lipoprotein lipase deficiency (LPL deficiency) [MIM:238600]; also known as familial chylomicronemia or hyperlipoproteinemia type I. LPL deficiency chylomicronemia is a recessive disorder usually manifesting in childhood. On a normal diet, patients often present with abdominal pain, hepatosplenomegaly, lipemia retinalis, eruptive xanthomata, and massive hypertriglyceridemia, sometimes complicated with acute pancreatitis.
配列類似性	Belongs to the AB hydrolase superfamily. Lipase family. Contains 1 PLAT domain.
翻訳後修飾	Tyrosine nitration after lipopolysaccharide (LPS) challenge down-regulates the lipase activity.
細胞内局在	Cell membrane. Secreted. Locates to the plasma membrane of microvilli of hepatocytes with triacyl-glycerol-rich lipoproteins (TRL). Some of the bound LPL is then internalized and located inside non-coated endocytic vesicles.

画像



Western blot - Anti-Lipoprotein lipase antibody [LPL.A4] (ab21356)

All lanes : Anti-Lipoprotein lipase antibody [LPL.A4] (ab21356) at 1/1000 dilution

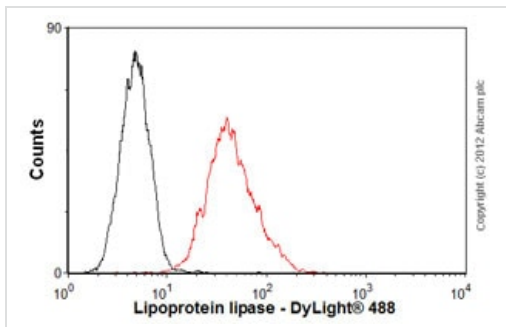
Lane 1 : Human Lipoprotein lipase.

Lane 2 : Bovine Lipoprotein lipase

Lysates/proteins at 10 µg per lane.

Predicted band size: 53 kDa

Observed band size: 55,60 kDa



Flow Cytometry - Anti-Lipoprotein lipase antibody [LPL.A4] (ab21356)

Overlay histogram showing HeLa cells stained with ab21356 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab21356, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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