abcam

Product datasheet

Recombinant Human Lipoprotein lipase ab115504

1 图像

描述

产品名称	重组人Lipoprotein lipase
纯度	> 80 % Densitometry. ab115504 is filtered (0.4 µm).
表达系统	HEK 293 cells
Accession	P06858
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	HVDYKDDDDKPAGADQRRDFIDIESKFALRTPEDTAEDTCHL IPGVAESV ATCHFNHSSKTFMVIHGWTVTGMYESWVPKLVAALYKREPDS NVIVVDWL SRAQEHYPVSAGYTKLVGQDVARFINWMEEEFNYPLDNVHLL GYSLGAHA AGIAGSLTNKKVNRITGLDPAGPNFEYAEAPSRLSPDDADFV DVLHTFTR GSPGRSIGIQKPVGHVDIYPNGGTFQPGCNIGEAIRVIAERG LGDVDQLV KCSHERSIHLFIDSLLNEENPSKAYRCSSKEAFEKGLCLSCR KNRCNNLG YEISKVRAKRSSKMYLKTRSQMPYKVFHYQVKIHFSGTESET HTNQAFEI SLYGTVAESENIPFTLPEVSTNKTYSFLIYTEVDIGELLMLK LKWKSDSY FSWSDWWSSPGFAIQKIRVKAGETQKKVIFCSREKVSHLQKG KAPAVFVK CHDKSLNKKSG
预测分子量	52 kDa including tags
氨基酸	28 to 475
标签	DDDDK tag N-Terminus
描述	重组人Lipoprotein lipase

技术指标

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Our **Abpromise guarantee** covers the use of **ab115504** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Western blot
形式	Lyophilized

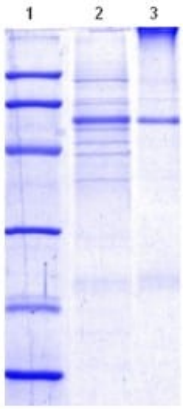
制备和贮存

稳定性和存储	Shipped at 4°C. Store at -80°C. pH: 7.50 Constituents: 0.24% Tris buffer, 0.29% Sodium chloride
复溶	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

常规信息

功能	The primary function of this lipase is the hydrolysis of triglycerides of circulating chylomicrons and very low density lipoproteins (VLDL). Binding to heparin sulfate 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.
疾病相关	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.
序列相似性	Belongs to the AB hydrolase superfamily. Lipase family. Contains 1 PLAT domain.
翻译后修饰	Tyrosine nitration after lipopolysaccharide (LPS) challenge down-regulates the lipase activity.
细胞定位	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.

图片



SDS-PAGE - Recombinant Human Lipoprotein lipase (ab115504)

14% SDS-PAGE showing ab115504

Lane 1: M.W. marker – 14, 21, 31, 45, 66, 97 kDa

Lane 2: reduced and boiled sample, 5µg/lane.

Lane 3: non-reduced and non-boiled sample, 5µg/lane.

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