abcam

Product datasheet

Anti-VLDL Receptor/VLDL-R antibody [1H10] ab75591

3 Abreviews 2 References 画像数 2

製品の概要

製品名	Anti-VLDL Receptor/VLDL-R antibody [1H10]
製品の詳細	Mouse monoclonal [1H10] to VLDL Receptor/VLDL-R
由来種	Mouse
アプリケーション	**適用あり:** WB, ELISA, Flow Cyt
種交差性	**交差種:** Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	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. 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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 6.60 Constituents: 0.58% Sodium chloride, 0.0292% EDTA, 0.82% Sodium phosphate
精製度	Protein A purified
特記事項(精製)	Produced in a VLDL Receptor/VLDL-R knockout mouse.
一次抗体 備考	Blocks apoE4 binding.
ポリ/モノ	モノクローナル
クローン名	1H10
アイソタイプ	IgG1

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ab75591の使用に適用されます

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
WB	★★★★☆ (2)	Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
Flow Cyt	★★★★★ (1)	Use 2µg for 10^6 cells. **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能 Binds VLDL and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. Binding to Reelin induces tyrosine phosphorylation of Dab1 and modulation of Tau phosphorylation.

組織特異性 Abundant in heart and skeletal muscle; also ovary and kidney; not in liver.

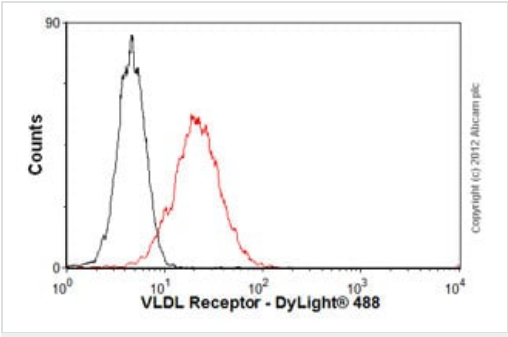
関連疾患 Defects in VLDLR are the cause of cerebellar ataxia mental retardation and dysequilibrium syndrome type 1 (CMARQ1) [MIM:224050]; also known as dysequilibrium syndrome (DES) or non-progressive cerebellar disorder with mental retardation. CMARQ1 is a congenital, non-progressive cerebellar ataxia associated with disturbed equilibrium, delayed ambulation, mental retardation and cerebellar hypoplasia. Additional features include short stature, strabismus, pes planus and, rarely, seizures.

配列類似性 Contains 3 EGF-like domains.
Contains 8 LDL-receptor class A domains.
Contains 6 LDL-receptor class B repeats.

翻訳後修飾 Ubiquitinated at Lys-839 by MYLIP leading to degradation.

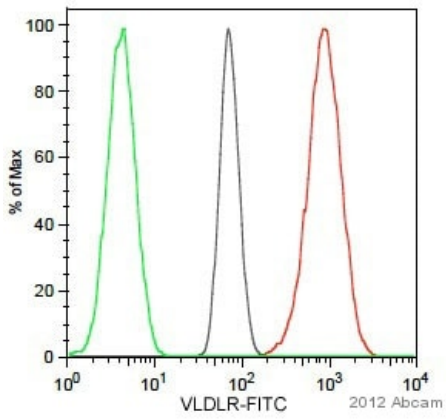
細胞内局在 Membrane. Membrane > clathrin-coated pit.

画像



Flow Cytometry - Anti-VLDL Receptor/VLDL-R antibody [1H10] (ab75591)

Overlay histogram showing HEK293 cells stained with ab75591 (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. The cells were then incubated with the antibody (ab75591, 2µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.



Flow Cytometry - Anti-VLDL Receptor/VLDL-R antibody [1H10] (ab75591)

This image is courtesy of an anonymous Abreview

Flow cytometry analysis of Human THP-1 cell lines, staining VLDL Receptor/VLDL-R (red histogram) with ab75591.

Cells were taken from suspension culture and washed with PBS/BSA before fixation. Cells were blocked and permeabilized in 10% donkey serum/0.3 M glycine/0.1% BSA/0.1% Tween-20 in PBS for 20 mins at room temperature. The sample was incubated with the primary antibody (2 µg/10^6 cells in 0.1% BSA/0.1% Tween-20 in PBS) for 30 minutes at 22°C. A FITC-conjugated donkey anti-mouse polyclonal IgG (30 µg/ml) was used as the secondary antibody.

Gating Strategy: FSC/SSC

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