


Anti-Abhd5/CGI-58 antibody [EPR12621] ab183739

リコンビナント **RabMAb**

★★★★★ **2 Abreviews** **18 References** 画像数 5

製品の概要

製品名	Anti-Abhd5/CGI-58 antibody [EPR12621]
製品の詳細	Rabbit monoclonal [EPR12621] to Abhd5/CGI-58
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	HepG2 cells and cell lysates; U87-MG and Human fetal liver cell lysates; Human lipomyoma tissue.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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 long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR12621

アプリケーション

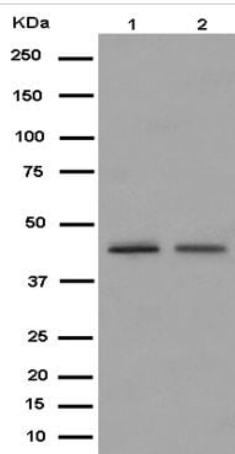
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab183739の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/200. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (2)	1/1000 - 1/2000. Detects a band of approximately 45 kDa (predicted molecular weight: 39 kDa).
IHC-P		1/1000 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

機能	Lysophosphatidic acid acyltransferase which functions in phosphatidic acid biosynthesis. May regulate the cellular storage of triacylglycerol through activation of the phospholipase PNPLA2. Involved in keratinocyte differentiation.
組織特異性	Widely expressed in various tissues, including lymphocytes, liver, skeletal muscle and brain. Expressed by upper epidermal layers and dermal fibroblasts in skin, hepatocytes and neurons (at protein level).
関連疾患	Defects in ABHD5 are the cause of Chanarin-Dorfman syndrome (CDS) [MIM:275630]; also called triglyceride storage disease with impaired long-chain fatty acid oxidation or neutral lipid storage disease with ichthyosis. CDS is an autosomal recessive inborn error of lipid metabolism with multisystemic accumulation of triglycerides although plasma concentrations are normal. Clinical characteristics are congenital generalized ichthyosis, vacuolated leukocytes, hepatomegaly, myopathy, cataracts, neurosensory hearing loss and developmental delay. The disorder presents at birth with generalized, fine, white scaling of the skin and a variable degree of erythema resembling non-bullous congenital ichthyosiform erythroderma.
配列類似性	Belongs to the peptidase S33 family. ABHD4/ABHD5 subfamily.
発生段階	Detected in fetal epidermis from 49 to 135 days estimated gestational age (at protein level).
ドメイン	The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.
細胞内局在	Cytoplasm. Lipid droplet. Colocalized with PLIN and ADRP on the surface of lipid droplets. The localization is dependent upon the metabolic status of the adipocytes and the activity of PKA.

画像



Western blot - Anti-Abhd5/CGI-58 antibody
[EPR12621] (ab183739)

All lanes : Anti-Abhd5/CGI-58 antibody [EPR12621] (ab183739) at 1/1000 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : U87-MG cell lysate

Lysates/proteins at 10 µg per lane.

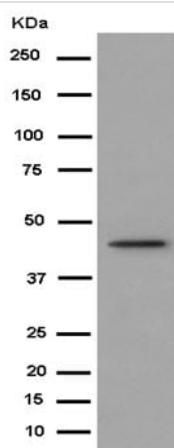
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 39 kDa

Observed band size: 45 kDa

PMID: 28211464, PMID: 19801371, PMID: 18606822, PMID: 18832586.



Western blot - Anti-Abhd5/CGI-58 antibody
[EPR12621] (ab183739)

Anti-Abhd5/CGI-58 antibody [EPR12621] (ab183739) at 1/1000 dilution + Human fetal liver lysate at 10 µg

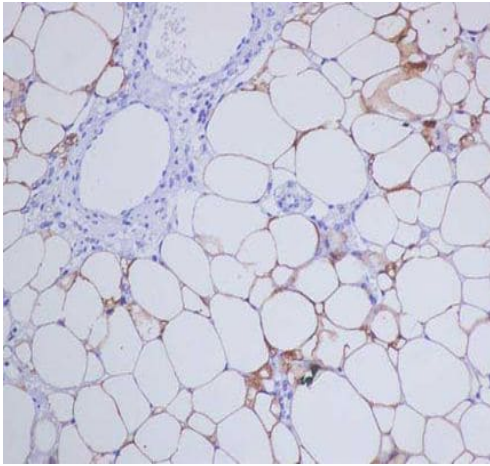
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 39 kDa

Observed band size: 45 kDa

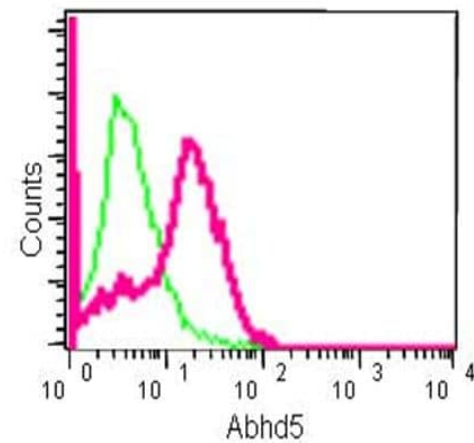
PMID: 28211464, PMID: 19801371, PMID: 18606822, PMID: 18832586.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Abhd5/CGI-58 antibody [EPR12621] (ab183739)

Immunohistochemical analysis of paraffin-embedded Human lipomyoma tissue labeling Abhd5/CGI-58 with ab183739 at 1/2000 dilution. The slide is counterstained with Hematoxylin.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-Abhd5/CGI-58 antibody [EPR12621] (ab183739)

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed HepG2 cells labeling Abhd5/CGI-58 with ab183739 at 1/200 dilution. Goat anti-rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody. Rabbit monoclonal IgG was used as the isotype control.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Abhd5/CGI-58 antibody [EPR12621] (ab183739)

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