




### Anti-Abhd5/CGI-58 antibody ab59488

**4 References**   [画像数 2](#)

#### 製品の概要

製品名	Anti-Abhd5/CGI-58 antibody
製品の詳細	Goat polyclonal to Abhd5/CGI-58
由来種	Goat
特異性	This antibody is not expected to cross-react with ABHD4.
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Mouse, Human <b>交差が予測される動物種:</b> Rat, Sheep, Dog, Pig, Orangutan 
免疫原	Synthetic peptide corresponding to Human Abhd5/CGI-58 aa 150-250 (internal sequence). Database link: <a href="#">Q8WTS1</a> <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
特記事項	<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&amp;As</p>

#### 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. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA
精製度	Immunogen affinity purified
特記事項 (精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

## 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ab59488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		Use a concentration of 0.2 - 0.6 µg/ml. Detects a band of approximately 40 kDa (predicted molecular weight: 39 kDa). A 1 hour primary incubation is recommended for this product. Additional faint bands of 26kDa and 18kDa were observed in NIH-3T3. These bands were successfully blocked by incubation with the immunizing peptide.

## 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

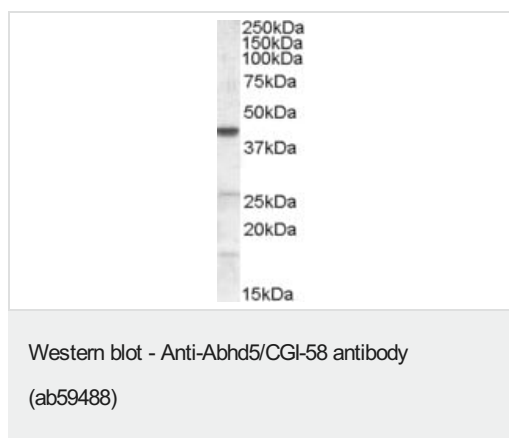


Anti-Abhd5/CGI-58 antibody (ab59488) at 1 µg/ml + A431 cell line lysate (35µg protein in RIPA buffer)

**Predicted band size:** 39 kDa

**Observed band size:** 38 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.



Anti-Abhd5/CGI-58 antibody (ab59488) at 0.2 µg/ml + NIH-3T3 cell lysate (RIPA buffer) at 35 µg

**Predicted band size:** 39 kDa

**Observed band size:** 40 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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