




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

**4 References**   **2 图像**

#### 概述

产品名称	Anti-Abhd5/CGI-58抗体
描述	山羊多克隆抗体to Abhd5/CGI-58
宿主	Goat
特异性	This antibody is not expected to cross-react with ABHD4.
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human 预测可用于: 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>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
常规说明	<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>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆
同种型	IgG

## 应用

### The Abpromise guarantee

**Abpromise™** 承诺保证使用ab59488于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

## 靶标

功能	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.
组织特异性	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).
疾病相关	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.
序列相似性	Belongs to the peptidase S33 family. ABHD4/ABHD5 subfamily.
发展阶段	Detected in fetal epidermis from 49 to 135 days estimated gestational age (at protein level).
结构域	The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.
细胞定位	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.

## 图片

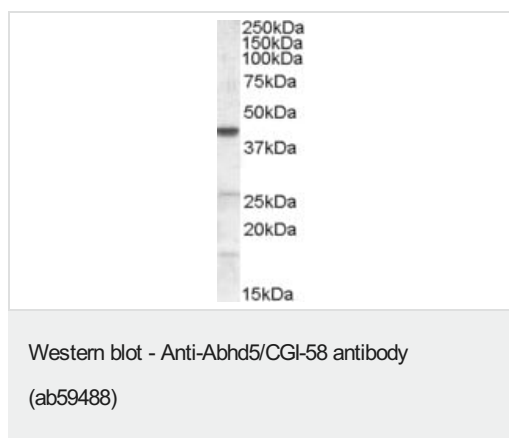


Anti-Abhd5/CGI-58 antibody (ab59488) at 1 µg/ml + A431 cell line lysate (35µg protein in RIPA buffer)

**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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