abcam

Product datasheet

Recombinant Human Abhd5/CGI-58 protein ab132557

1 图像

描述

产品名称	重组人Abhd5/CGI-58蛋白
表达系统	Wheat germ
Accession	Q8WTS1
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MAAEEEEVDSADTGERSGWLTGWLPTWCPTSISHLKEAEEKM LKCVPCTY KKEPVRISNGNKIWTLKFSHNISNKTPLVLLHGFGGGLGLWA LNFGDLCT NRPVYAFDLLGFGRSSRPRFDSDAEEVENQFVESIEEWRCAL GLDKMILL GHNLGGFLAAAYSLKYPSRVNHLILVEPWGFPERPDLADQDR PIPVWIRA LGAALTPFNPLAGLRIAGPFGLSLVQRLRPDFKRKYSSMFED DTVTEYIY HCNVQTPSGETAFKNMTIPYGWAKRPMLQRIGKMHPDIPVSV IFGARSCI DGNSGTSIQSLRPHSYVKTIAILGAGHYVYADQPEEFNQKVK EICDTVD
预测分子量	64 kDa including tags
氨基酸	1 to 349
标签	GST tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab132557** in the following tested applications.

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

应用	ELISA
	SDS-PAGE
	Western blot

形式	Liquid
补充说明	This product was previously labelled as Abhd5.

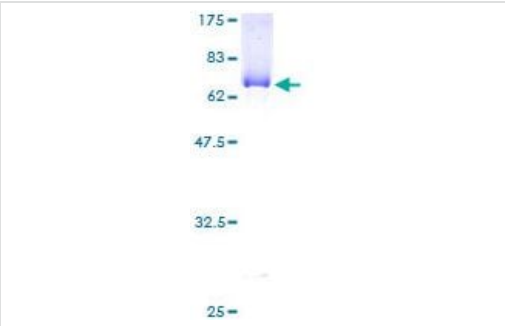
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

常规信息

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



SDS-PAGE - Recombinant Human Abhd5/CGI-58 protein (ab132557)

12.5% SDS-PAGE analysis of ab132557 stained with Coomassie Blue.

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

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