abcam

Product datasheet

Anti-HSD11B1 antibody ab39364

★★★★★ 2 Abreviews 25 References 2 图像

概述

产品名称	Anti-HSD11B1抗体
描述	**兔多克隆抗体**to HSD11B1
宿主	Rabbit
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human **预测可用于:** Rabbit, Hamster, Cow, Cat, Dog, Monkey, Cynomolgus monkey, Macaque monkey
免疫原	Synthetic peptide corresponding to Human HSD11B1 aa 50-150. Run BLAST with ExPASy Run BLAST with NCBI
常规说明	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

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: 7.40 Preservative: 0.02% Sodium azide Constituents: 0.1% BSA, 50% Glycerol
纯度	Immunogen affinity purified
纯化说明	ab39364 is an affinity purified IgG
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab39364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	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 32 kDa).

靶标

功能 Catalyzes reversibly the conversion of cortisol to the inactive metabolite cortisone. Catalyzes reversibly the conversion of 7-ketocholesterol to 7-beta-hydroxycholesterol. In intact cells, the reaction runs only in one direction, from 7-ketocholesterol to 7-beta-hydroxycholesterol.

组织特异性 Widely expressed. Highest expression in liver.

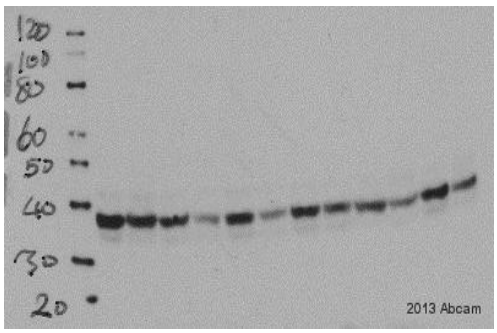
疾病相关 Defects in HSD11B1 are a cause of cortisone reductase deficiency (CRD) [MIM:604931]. In CRD, activation of cortisone to cortisol does not occur, resulting in adrenocorticotropin-mediated androgen excess and a phenotype resembling polycystic ovary syndrome (PCOS).

序列相似性 Belongs to the short-chain dehydrogenases/reductases (SDR) family.

翻译后修饰 Glycosylated.

细胞定位 Endoplasmic reticulum membrane.

图片



Western blot - Anti-HSD11B1 antibody (ab39364)

This image is courtesy of an Abreview submitted by Rob Cordery-Cotter. Experimental work performed by Megan A. Walton.

Western blot analysis of Sheep liver tissue lysate (5µg/lane) labeling HSD11B1 with ab39364 at 1/500 (16 hours at 4ºC). An undiluted HRP-conjugated Goat anti-rabbit IgG polyclonal was used as the secondary antibody.

Western blot - Anti-HSD11B1 antibody (ab39364)

Anti-HSD11B1 antibody (ab39364) at 1 µg/ml + Human liver tissue lysate - total protein (**ab29889**) at 10 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 32 kDa

Exposure time: 16 minutes

HSD11B1 contains a number of potential glycosylation sites (SwissProt) which may explain the higher migration pattern observed.

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

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