

Anti-HSD3B1 antibody [3C11-D4] ab55268

★★★★★ [3 Abreviews](#) [19 References](#) [3 图像](#)

概述

产品名称	Anti-HSD3B1抗体[3C11-D4]
描述	小鼠单克隆抗体[3C11-D4] to HSD3B1
宿主	Mouse
经测试应用	适用于: Flow Cyt, WB, IHC-P
种属反应性	与反应: Human
免疫原	Recombinant full length protein corresponding to Human HSD3B1 aa 1-373.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 4th April 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.40 Constituent: 100% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	3C11-D4
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab55268 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
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa).
IHC-P	★★★★★ (2)	Use at an assay dependent concentration.

靶标

功能

3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. Efficiently catalyzes the transformation of pregnenolone to progesterone, 17-alpha-hydroxypregnenolone to 17-alpha-hydroxyprogesterone, DHEA to 4-androstenedione, dihydrotestosterone to 5-alpha-androstane-3 beta,17 beta-diol, dehydroepiandrosterone to androstenedione and 5-alpha-androstan-3 beta,17 beta-diol to 5-alpha-dihydrotestosterone.

组织特异性

Placenta and skin. Predominantly expressed in mammary gland tissue.

通路

Lipid metabolism; steroid biosynthesis.

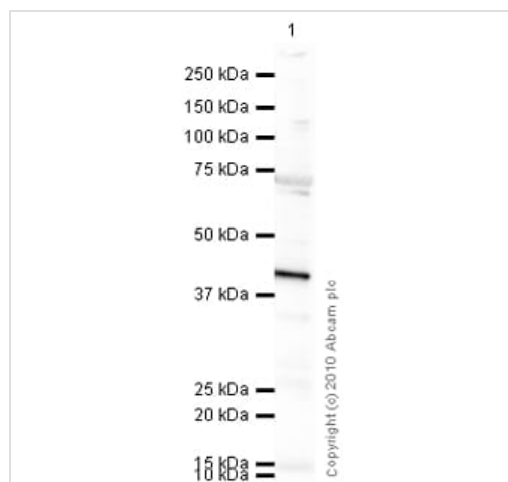
序列相似性

Belongs to the 3-beta-HSD family.

细胞定位

Endoplasmic reticulum membrane. Mitochondrion membrane.

图片



Western blot - Anti-HSD3B1 antibody [3C11-D4]
(ab55268)

Anti-HSD3B1 antibody [3C11-D4] (ab55268) at 1 µg/ml + Human placenta tissue lysate - total protein (**ab29745**) at 10 µg

Secondary

Goat Anti-Mouse IgG H&L (HRP) preadsorbed (**ab97040**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 42 kDa

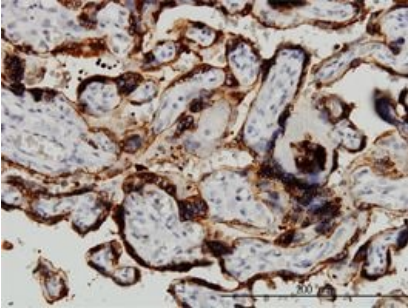
Observed band size: 42 kDa

Additional bands at: 73 kDa. We are unsure as to the identity of

these extra bands.

Exposure time: 4 minutes

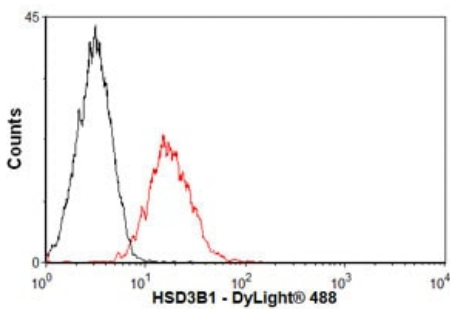
This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSD3B1 antibody [3C11-D4] (ab55268)

HSD3B1 antibody (ab55268) used in immunohistochemistry at 5ug/ml on formalin fixed and paraffin embedded human placenta.

This image was generated using the ascites version of the product.



Flow Cytometry - Anti-HSD3B1 antibody [3C11-D4] (ab55268)

Overlay histogram showing JEG3 cells stained with ab55268 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab55268, 1 μ g/ 1×10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2 μ g/ 1×10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in JEG3 cells fixed with 80% methanol/permeabilized in 0.1% PBS-Tween used under the same conditions.

This image was generated using the ascites version of the product.

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