

Anti-HSD3B1 antibody [3C11-D4] ab55268

★★★★★ [3 Abreviews](#) [19 References](#) [画像数 3](#)

製品の概要

製品名	Anti-HSD3B1 antibody [3C11-D4]
製品の詳細	Mouse monoclonal [3C11-D4] to HSD3B1
由来種	Mouse
アプリケーション	適用あり: Flow Cyt, WB, IHC-P
種交差性	交差種: Human
免疫原	Recombinant full length protein corresponding to Human HSD3B1 aa 1-373.
特記事項	<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>

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 or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.40 Constituent: 100% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	3C11-D4
アイソタイプ	IgG1
軽鎖の種類	kappa

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ab55268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
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.

ターゲット情報

機能

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.

組織特異性

Placenta and skin. Predominantly expressed in mammary gland tissue.

パスウェイ

Lipid metabolism; steroid biosynthesis.

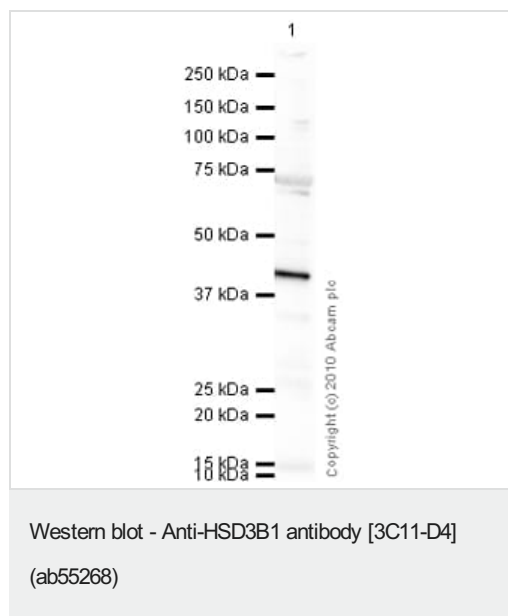
配列類似性

Belongs to the 3-beta-HSD family.

細胞内局在

Endoplasmic reticulum membrane. Mitochondrion membrane.

画像



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

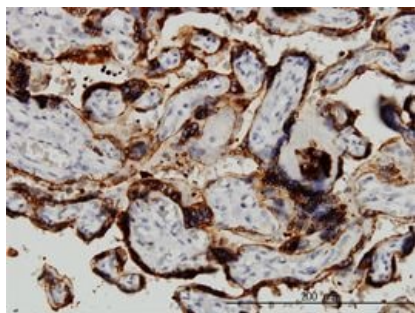
Observed band size: 42 kDa

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

these extra bands.

Exposure time: 4 minutes

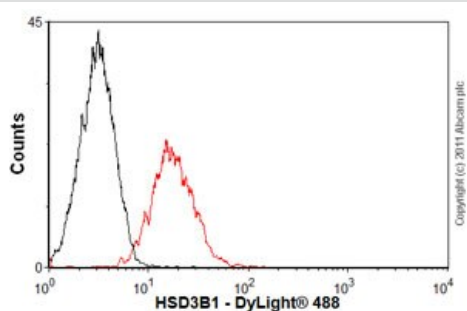
This image was generated using the ascites version of the product.



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, 1µg/1x10⁶ 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](#), 2µg/1x10⁶ 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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