


### Anti-HSD3B2 antibody [373CT9.1.3] ab75710

★★★★★ [2 Abreviews](#) [11 References](#) [画像数 2](#)

#### 製品の概要

製品名	Anti-HSD3B2 antibody [373CT9.1.3]
製品の詳細	Mouse monoclonal [373CT9.1.3] to HSD3B2
由来種	Mouse
アプリケーション	<b>適用あり:</b> WB, Flow Cyt (Intra)
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat, Sheep, Goat, Horse, Cow, Cat, Dog, Pig, Cynomolgus monkey, Macaque monkey, Rhesus monkey 
免疫原	Synthetic peptide corresponding to Human HSD3B2 aa 1-100 conjugated to keyhole limpet haemocyanin.
ポジティブ・コントロール	This antibody gave a positive signal in human adrenal tissue lysate.
特記事項	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</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&amp;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	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p>
精製度	Protein G purified
ポリ/モノ	モノクローナル

クローン名	373CT9.1.3
ミエローマ	Sp2/0
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

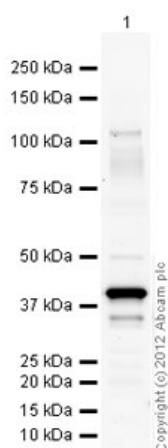
The Abpromise guarantee      Abpromise保証は、次のテスト済みアプリケーションにおけるab75710の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 40 kDa (predicted molecular weight: 42 kDa). Abcam recommends blocking using 3% milk.
Flow Cyt (Intra)		Use 0.1µg for 10 <sup>6</sup> cells. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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.
組織特異性	Expressed in adrenal gland, testis and ovary.
パスウェイ	Lipid metabolism; steroid biosynthesis.
関連疾患	Defects in HSD3B2 are the cause of adrenal hyperplasia type 2 (AH2) [MIM:201810]. AH2 is a form of congenital adrenal hyperplasia, a common recessive disease due to defective synthesis of cortisol. Congenital adrenal hyperplasia is characterized by androgen excess leading to ambiguous genitalia in affected females, rapid somatic growth during childhood in both sexes with premature closure of the epiphyses and short adult stature. Four clinical types: 'salt wasting' (SW, the most severe type), 'simple virilizing' (SV, less severely affected patients), with normal aldosterone biosynthesis, 'non-classic form' or late onset (NC or LOAH), and 'cryptic' (asymptomatic). In AH2, virilization is much less marked or does not occur. AH2 is frequently lethal in early life. Note=Mild HSD3B2 deficiency in hyperandrogenic females is associated with characteristic traits of polycystic ovary syndrome, such as insulin resistance and luteinizing hormon hypersecretion.
配列類似性	Belongs to the 3-beta-HSD family.
細胞内局在	Endoplasmic reticulum membrane. Mitochondrion membrane.

画像



Western blot - Anti-HSD3B2 antibody [373CT9.1.3] (ab75710)

Anti-HSD3B2 antibody [373CT9.1.3] (ab75710) at 1 µg/ml + Human adrenal normal tissue lysate - total protein (**ab29249**) at 20 µg

### Secondary

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

Developed using the ECL technique.

Performed under reducing conditions.

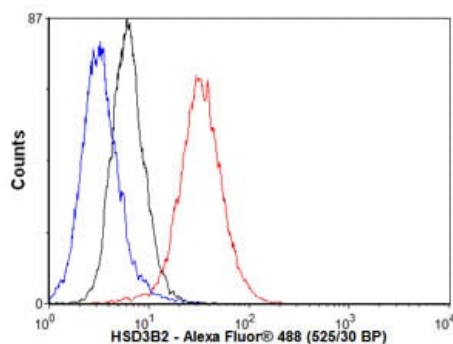
**Predicted band size:** 42 kDa

**Observed band size:** 40 kDa

**Additional bands at:** 110 kDa, 35 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 20 minutes

Blocked using 3% milk.



Flow Cytometry (Intracellular) - Anti-HSD3B2 antibody [373CT9.1.3] (ab75710)

Overlay histogram showing JEG3 cells stained with ab75710 (red line). The cells were fixed with 80% methanol (5 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 (ab75710, 0.1 µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 1 µg/1x10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

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