

Anti-HSD3B2 antibody ab154385

★★★★★ [1 Abreviews](#) [3 References](#) [4 图像](#)

概述

产品名称	Anti-HSD3B2抗体
描述	兔多克隆抗体to HSD3B2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant fragment, corresponding to a region within amino acids 126-372 of Human HSD3B2 (UniProt: P26439).
阳性对照	Raji and HeLaS3 whole cell lysates; HeLa cells; Human A549 xenograft tissue.
常规说明	<p>HSD3B2 and HSD3B1 proteins are quite similar in sequence so this product may react with both proteins.</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. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab154385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		1/500 - 1/3000. Predicted molecular weight: 42 kDa.
IHC-P	★★★★★ (1)	1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

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.

组织特异性

Expressed in adrenal gland, testis and ovary.

通路

Lipid metabolism; steroid biosynthesis.

疾病相关

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 hormone hypersecretion.

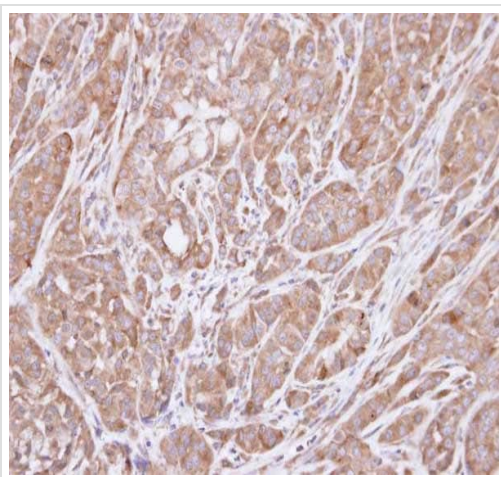
序列相似性

Belongs to the 3-beta-HSD family.

细胞定位

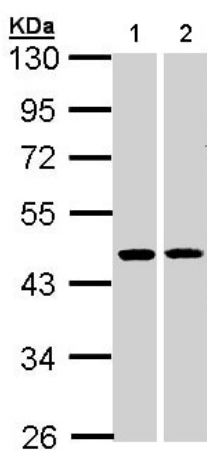
Endoplasmic reticulum membrane. Mitochondrion membrane.

图片



Immunohistochemical analysis of paraffin-embedded Human A549 xenograft tissue, labeling HSD3B2 with ab154385 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSD3B2 antibody (ab154385)



All lanes : Anti-HSD3B2 antibody (ab154385) at 1/1000 dilution

Lane 1 : Raji whole cell lysate

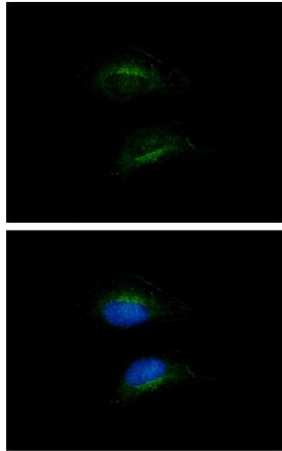
Lane 2 : HeLaS3 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 42 kDa

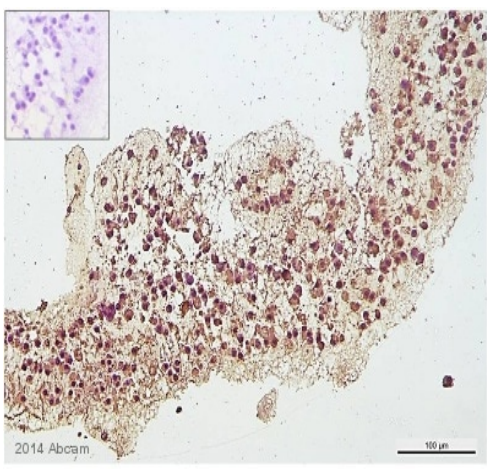
Western blot - Anti-HSD3B2 antibody (ab154385)

10% SDS PAGE



Immunofluorescent analysis of methanol-fixed HeLa cells, labeling HSD3B2 with ab154385 at 1/200 dilution. Lower image shows cells co-stained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-HSD3B2 antibody (ab154385)



ab154385 staining HSD3B2 in horse cumulus cells by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 20% bovine serum for 1 hour at 18°C; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/100 in 2% BSA) for 18 hours at 18°C. A Biotin-conjugated goat anti-rabbit IgG polyclonal (1/500) was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSD3B2 antibody (ab154385)

This image is courtesy of an Abreview submitted by Hilde Nelis

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors