

Anti-HSD17B1 antibody [EP1682Y] ab51045

重组 RabMAb

15 References **5 图像**

概述

产品名称	Anti-HSD17B1抗体[EP1682Y]
描述	兔单克隆抗体[EP1682Y] to HSD17B1
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP, IHC-P 不适用于: ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human HSD17B1 (C terminal). The exact sequence is proprietary.
阳性对照	WB: Human placenta lysate. IHC-P: Human placenta tissue. IP: Human placenta lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆

克隆编号

EP1682Y

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab51045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 (Intra)		Use 1µg for 10 ⁶ cells. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Detects a band of approximately 35 kDa (predicted molecular weight: 35 kDa).
IP		1/50.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

应用说明

Is unsuitable for ICC/IF.

靶标

功能

Favors the reduction of estrogens and androgens. Also has 20-alpha-HSD activity. Uses preferentially NADH.

通路

Steroid biosynthesis; estrogen biosynthesis.

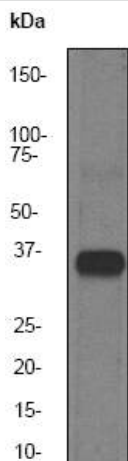
序列相似性

Belongs to the short-chain dehydrogenases/reductases (SDR) family.

细胞定位

Cytoplasm.

图片



Western blot - Anti-HSD17B1 antibody [EP1682Y] (ab51045)

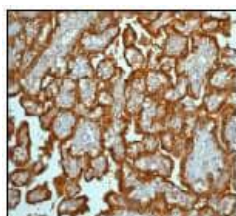
Anti-HSD17B1 antibody [EP1682Y] (ab51045) at 1/100000 dilution
+ Human placenta tissue lysate at 10 µg

Secondary

Goat anti-Rabbit HRP labeled at 1/2000 dilution

Predicted band size: 35 kDa

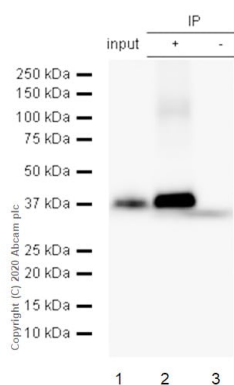
Observed band size: 35 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSD17B1 antibody [EP1682Y] (ab51045)

Ab51045 (1/100 dilution) staining human HSD17B1 in paraffin embedded human placenta tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-HSD17B1 antibody [EP1682Y] (ab51045)

Purified ab51045 at 1/50 dilution (2µg) immunoprecipitating HSD17B1 in Human placenta lysate.

Lane 1 (input): Human placenta lysate 10µg

Lane 2 (+): ab51045 + Human placenta lysate.

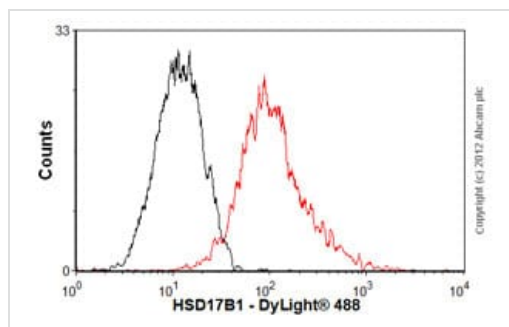
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab51045 in Human placenta lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 34 kDa



Flow Cytometry (Intracellular) - Anti-HSD17B1 antibody [EP1682Y] (ab51045)

Overlay histogram showing JEG3 cells stained with ab51045 (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. The cells were then incubated with the antibody (ab51045, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) ([ab96899](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-HSD17B1 antibody [EP1682Y] (ab51045)

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