

Anti-HSD17B1 antibody [EP1682Y] ab51045

リコンビナント RabMAb

15 References [画像数 5](#)

製品の概要

製品名	Anti-HSD17B1 antibody [EP1682Y]
製品の詳細	Rabbit monoclonal [EP1682Y] to HSD17B1
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, IP, IHC-P 適用なし: ICC/IF
種交差性	交差種: Human
免疫原	Synthetic peptide within Human HSD17B1 (C terminal). The exact sequence is proprietary.
ポジティブ・コントロール	WB: Human placenta lysate. IHC-P: Human placenta tissue. IP: Human placenta lysate.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EP1682Y
アイソタイプ IgG

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ab51045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。

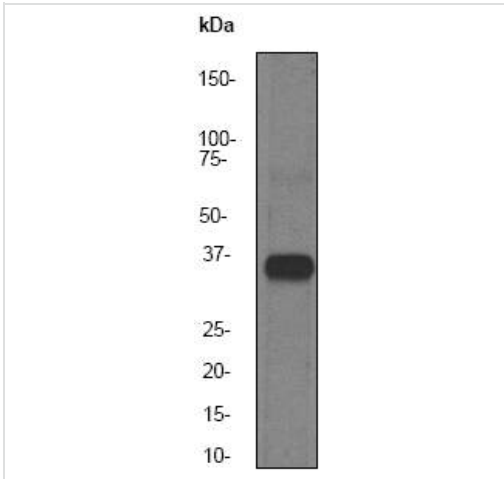
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use 1µg for 10 ⁶ cells. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Detects a band of approximately 35 kDa (predicted molecular weight: 35 kDa).
IP		1/50.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

追加情報 Is unsuitable for ICC/IF.

ターゲット情報

機能 Favors the reduction of estrogens and androgens. Also has 20-alpha-HSD activity. Uses preferentially NADH.
パスウェイ Steroid biosynthesis; estrogen biosynthesis.
配列類似性 Belongs to the short-chain dehydrogenases/reductases (SDR) family.
細胞内局在 Cytoplasm.

画像



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

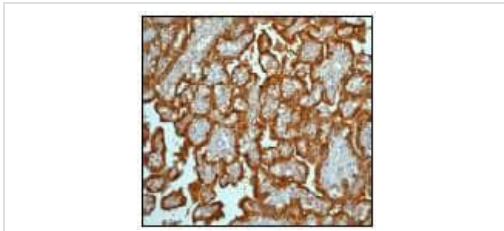
Anti-HSD17B1 antibody [EP1682Y] (ab51045) at 1/100000 dilution
+ Human placenta tissue lysate at 10 µg

Secondary

Goat anti-Rabbit HRP labeled at 1/2000 dilution

Predicted band size: 35 kDa

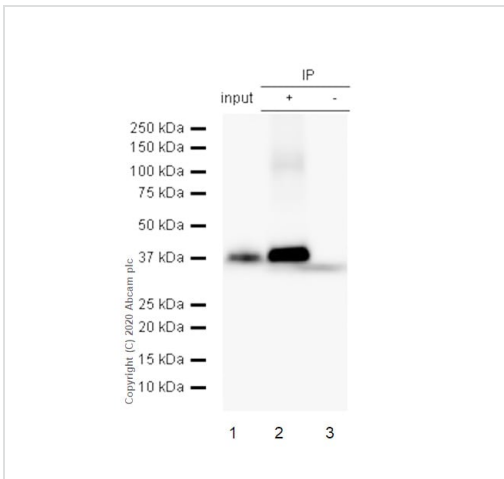
Observed band size: 35 kDa



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.

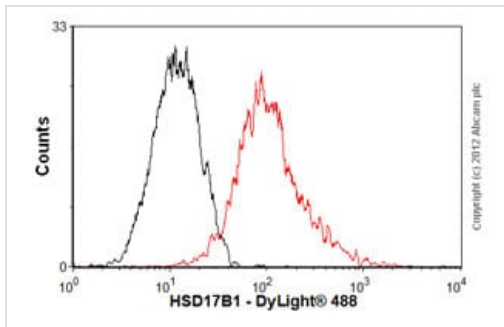
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab51045 in Human placenta lysate.

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?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-HSD17B1 antibody [EP1682Y] (ab51045)

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