

Product datasheet

Anti-HSD17B8 antibody [EPR12084(B)] ab169752

Recombinant RabMAb

4 Images

Overview

Product name	Anti-HSD17B8 antibody [EPR12084(B)]
Description	Rabbit monoclonal [EPR12084(B)] to HSD17B8
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IP Unsuitable for: Flow Cyt or IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to amino acid residues in Human HSD17B8 (Q92506).
Positive control	Human fetal liver, HepG2, BxPC-3 and JAR cell lysates. JAR cells.
General notes	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work

with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR12084(B)
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab169752** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/250.
WB		1/10000 - 1/50000. Predicted molecular weight: 26 kDa.
IP		1/10 - 1/100.

Application notes Is unsuitable for Flow Cyt or IHC-P.

Target

Function	NAD-dependent 17-beta-hydroxysteroid dehydrogenase with highest activity towards estradiol. Has very low activity towards testosterone. The heterotetramer with CBR4 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity. May play a role in biosynthesis of fatty acids in mitochondria.
Tissue specificity	Highly expressed in placenta, liver and pancreas, lower in the skeletal muscle and kidney. Widely expressed.
Pathway	Steroid biosynthesis; estrogen biosynthesis.

Lipid metabolism; fatty acid biosynthesis.

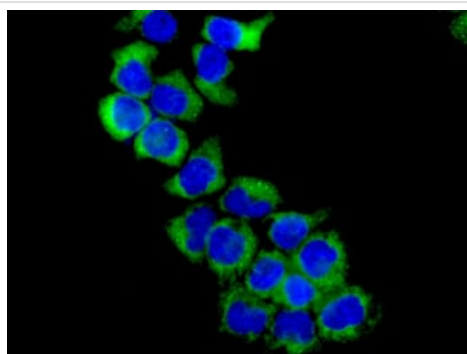
Sequence similarities

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

Cellular localization

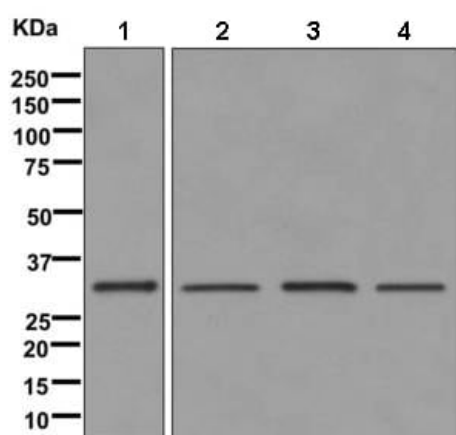
Mitochondrion matrix.

Images



Immunofluorescent analysis of JAR cells labelling HSD17B8 with ab169752 at 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-HSD17B8 antibody [EPR12084(B)] (ab169752)



All lanes : Anti-HSD17B8 antibody [EPR12084(B)] (ab169752) at 1/10000 dilution

Lane 1 : Fetal liver lysate

Lane 2 : HepG2 lysate

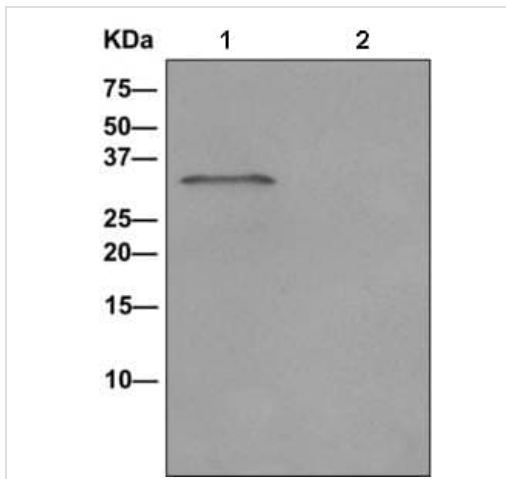
Lane 3 : Bx-PC-3 lysate

Lane 4 : JAR lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 26 kDa





Western blot - Anti-HSD17B8 antibody [EPR12084(B)] (ab169752)



Western blot analysis on immunoprecipitation pellet from (1) fetal liver lysate labeling HSD17B8 with ab169752 at 1/10 dilution or (2) 1X PBS (negative control). HRP-conjugated anti-rabbit IgG preferentially detected the non-reduced form of Rabbit IgG.

Immunoprecipitation - Anti-HSD17B8 antibody [EPR12084(B)] (ab169752)

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>

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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
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- 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.com/abpromise> or contact our technical team.

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