


Anti-HSD17B4 antibody ab97971

[2 References](#) [4 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-HSD17B4 antibody |
| Description | Rabbit polyclonal to HSD17B4 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P, ICC/IF |
| Species reactivity | Reacts with: Mouse, Human Predicted to work with: Rat, Guinea pig, Cow, Pig, Zebrafish  |
| Immunogen | Recombinant fragment corresponding to Human HSD17B4 aa 18-231. Database link: P51659 |
| Positive control | WB: HeLa, Mouse brain whole cell lysate IHC-P: Human ovarian cancer. ICC/IF: HeLa cells. |
| General notes | <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> |

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 or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine) |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab97971 in the following tested applications.

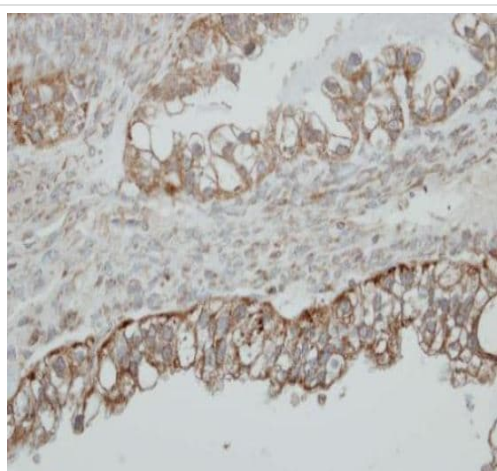
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | 1/500 - 1/3000. Predicted molecular weight: 80 kDa. |
| IHC-P | | 1/100 - 1/1000. |
| ICC/IF | | 1/100 - 1/1000. |

Target

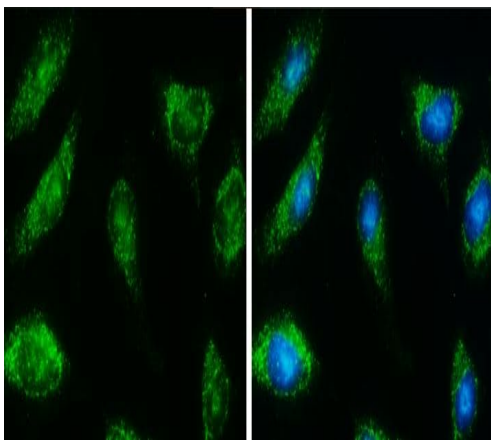
| | |
|------------------------|---|
| Function | Bifunctional enzyme acting on the peroxisomal beta-oxidation pathway for fatty acids. Catalyzes the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. |
| Tissue specificity | Present in many tissues with highest concentrations in liver, heart, prostate and testis. |
| Pathway | Lipid metabolism; fatty acid beta-oxidation. |
| Involvement in disease | D-bifunctional protein deficiency Perrault syndrome 1 |
| Sequence similarities | Belongs to the short-chain dehydrogenases/reductases (SDR) family. Contains 1 MaoC-like domain. Contains 1 SCP2 domain. |
| Cellular localization | Peroxisome. |

Images



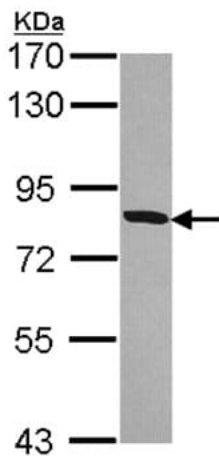
Paraffin embedded human ovarian cancer tissue stained for HSD17B4 using ab97971 at 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSD17B4 antibody (ab97971)



Immunocytochemistry/ Immunofluorescence - Anti-HSD17B4 antibody (ab97971)

HeLa cells stained for HSD17B4 (green) using ab97971 at 1/500 dilution in ICC/IF.

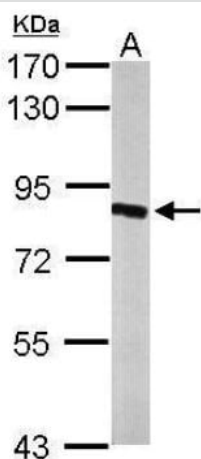


Western blot - Anti-HSD17B4 antibody (ab97971)

Anti-HSD17B4 antibody (ab97971) at 1/1000 dilution + HeLa whole cell lysate at 30 µg

Predicted band size: 80 kDa

7.5% SDS PAGE



Western blot - Anti-HSD17B4 antibody (ab97971)

Anti-HSD17B4 antibody (ab97971) at 1/1000 dilution + Mouse brain whole cell lysate at 50 µg

Predicted band size: 80 kDa

7.5% SDS PAGE

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