

## Rabbit anti-Human HSD17B4 Polyclonal Antibody | anti-HSD17B4 antibody

Anti-HSD17B4 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA254592</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

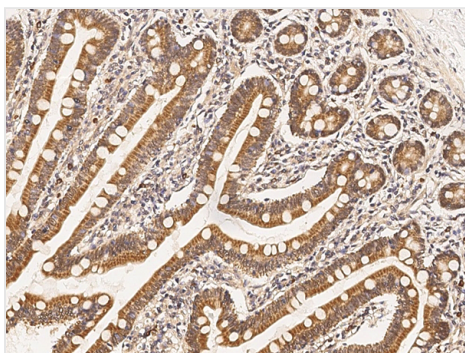
### PRODUCT SYNONYMS

HSD17B4; Polyclonal Antibody; Anti-HSD17B4 Antibody; Rabbit Polyclonal; HSD17B4 Antibody; Rabbit PAb; Antigen Affinity Purified; hydroxysteroid (17-beta) dehydrogenase 4; Anti-DBP Antibody; Anti-MFE-2 Antibody; Anti-MPF-2 Antibody; Anti-PRLTS1 Antibody; Anti-SDR8C1 Antibody; anti-HSD17B4 antibody

### PRODUCT SPECIFICATIONS

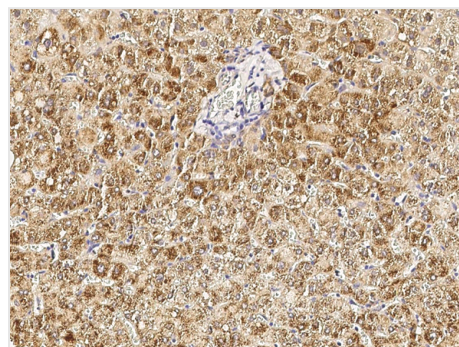
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|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                        | Human                                                                                                                                                                                                                                                                 |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                           | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                       | Human HSD17B4                                                                                                                                                                                                                                                         |
| Purity/Purification                               | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                       | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-HSD17B4 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Immunogen                                         | A synthetic peptide corresponding to the center region of the Human HSD17B4                                                                                                                                                                                           |
| Conjugation                                       | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                       | Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human HSD17B4, and purified by antigen affinity chromatography.                                                                                                      |
| Preparation and Storage                           | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunochemical staining of human HSD17B4 in human duodenum with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).



#### IHC (Immunohistochemistry)

Immunochemical staining of human HSD17B4 in human liver with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Related Product Information for anti-HSD17B4 antibody | HSD17B4 (Hydroxysteroid 17-Beta Dehydrogenase 4) is a Protein Coding gene. The protein encoded by this gene is a bifunctional enzyme that is involved in the peroxisomal beta-oxidation pathway for fatty acids. It also acts as a catalyst for the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. HSD17B4 is highly expressed in human liver cancer tissues, and it participates in liver cancer cell proliferation via suppressing estradiol (E2) activity. HSD17B4 was overexpressed in prostate and colon cancer tissues, knocking down HSD17B4 inhibited cancer cell proliferation, suggesting that HSD17B4 is a potential biomarker and drug target and that CLIFs are potential probes or therapeutic agents for these cancers. D-bifunctional protein deficiency, caused by recessive mutations in HSD17B4, is a severe, infantile-onset disorder of peroxisomal fatty acid oxidation. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4504505                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 3295                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_000405                                                                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_000414                                                                                                                                                                                                                                                       |
| UniProt Accession #              | P51659; B4DNV1; B4DVS5; E9PB82; F5HE57                                                                                                                                                                                                                          |
| Molecular Weight                 | 77,870 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | peroxisomal multifunctional enzyme type 2 isoform 2                                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | hydroxysteroid (17-beta) dehydrogenase 4                                                                                                                                                                                                                        |
| NCBI Official Symbol             | HSD17B4                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | DBP; MFE-2; MPF-2; PRLTS1; SDR8C1                                                                                                                                                                                                                               |
| NCBI Protein Information         | peroxisomal multifunctional enzyme type 2; 17-beta-HSD 4; 17-beta-HSD IV; 17-beta-hydroxysteroid dehydrogenase 4; 17beta-estradiol dehydrogenase type IV; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA hydratase; D-3-hydroxyacyl-CoA dehydr |
| UniProt Protein Name             | Peroxisomal multifunctional enzyme type 2                                                                                                                                                                                                                       |
| UniProt Gene Name                | HSD17B4                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | EDH17B4; MFE-2; 17-beta-HSD 4; DBP; MPF-2                                                                                                                                                                                                                       |
| UniProt Entry Name               | DHB4_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/hsd17b4-antibody-immunohistochemistry-elisa/254592>