

Rabbit anti-Human HSD17B2 Polyclonal Antibody | anti-HSD17B2 antibody

Anti-HSD17B2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44941	Rabbit	Human	Immunohistochemistry, Immunohistochemistry, Western Blot

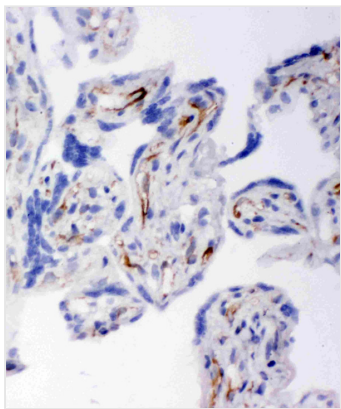
PRODUCT SYNONYMS

HSD17B2; Polyclonal Antibody; Anti-HSD17B2 antibody; Estradiol 17-beta-dehydrogenase 2; hydroxysteroid(17-beta) dehydrogenase 2; 17 beta HSD 2 antibody; 17-beta-HSD 2 antibody; 17-beta-hydroxysteroid dehydrogenase type 2 antibody; 20 alpha HSD antibody; 20 alpha hydroxysteroid dehydrogenase antibody; 20 alpha-hydroxysteroid dehydrogenase antibody; 20-alpha-HSD antibody; DHB2_HUMAN antibody; E2DH antibody; EDH17B2 antibody; Estradiol 17-beta-dehydrogenase 2 antibody; HSD17 antibody; Hsd17b2 antibody; Hydroxysteroid(17 beta) dehydrogenase 2 antibody; Microsomal 17 beta hydroxysteroid dehydrogenase antibody; Microsomal 17-beta-hydroxysteroid dehydrogenase antibody; SDR9C2 antibody; Testosterone 17 beta dehydrogenase antibody; Testosterone 17-beta-dehydrogenase antibody; anti-HSD17B2 antibody

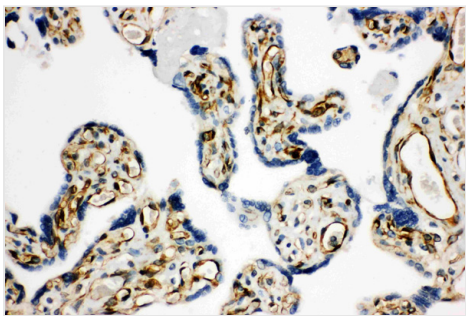
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	387
Applicable Applications for anti-HSD17B2 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HSD17B2 (373-387aa MPRALRMPNYKKKAT).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

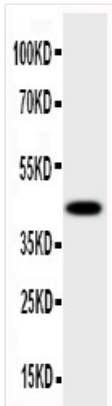
IMAGES



IHC (Immunohistochemistry)
Anti-HSD17B2 antibody, AAA44941, IHC(F)IHC(F): Human Placenta Tissue



IHC (Immunohistochemistry)
Anti-HSD17B2 antibody, AAA44941, IHC(P)IHC(P): Human Placenta Tissue



WB (Western Blot)
Anti-HSD17B2 antibody, AAA44941, Western blottingAll lanes: Anti HSD17B2 (AAA44941) at 0.5ug/mlWB: Human Placenta Tissue Lysate at 50ugPredicted bind size: 43KDObserved bind size: 43KD

ADDITIONAL INFORMATION

Related Product Information for anti-HSD17B2 antibody	Description: Rabbit IgG polyclonal antibody for Estradiol 17-beta-dehydrogenase 2(HSD17B2) detection. Tested with WB, IHC-P, IHC-F in Human. Background: HSD17B2(17-BETA-HYDROXYSTEROID DEHYDROGENASE II), also called 17-BETA-HSD II, is an anzyme which have 387 amino acids with a predicted molecular weight of 42,782 and associate with the membranes of the endoplasmic reticulum. Its Cytogenetic location is 16q23.3. The type 2 enzyme was capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone. HSD17B2 mRNA was detected in 18 of 42(43%) adenomas but not in prolactinomas. In the human endometrium, inactivation of 17-beta-estradiol to estrone is catalyzed by HSD17B2. And HSD17B2 activity distinguishing between disease-free and diseased endometria. HSD17B2 efficiently catalyzes the oxidative metabolism of androgens and estrogens, and it is expressed in a large series of human peripheral tissues. The previous paradigm that HSD17B2 activity in the endometrium is elevated during the secretory phase is confined to diseased endometrium but not to disease-free endometrium.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	544152
NCBI GeneID	3294
UniProt Accession #	P37059; B2R7T4
Molecular Weight	42,785 Da
NCBI Official Full Name	Estradiol 17-beta-dehydrogenase 2

NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 2
NCBI Official Symbol	HSD17B2
NCBI Official Synonym Symbols	HSD17; SDR9C2; EDH17B2
NCBI Protein Information	estradiol 17-beta-dehydrogenase 2; E2DH; 20-alpha-HSD; 17-beta-HSD 2; testosterone 17-beta-dehydrogenase; 20 alpha-hydroxysteroid dehydrogenase; 17-beta-hydroxysteroid dehydrogenase type 2; microsomal 17-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 9C, member 2
UniProt Protein Name	Estradiol 17-beta-dehydrogenase 2
UniProt Gene Name	HSD17B2
UniProt Synonym Gene Names	EDH17B2; 17-beta-HSD 2; 20-alpha-HSD
UniProt Entry Name	DHB2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hsd17b2-antibody-immunohistochemistry-immunohistochemistry-western-blot-elisa/44941>