

Rabbit HSD17B1 Polyclonal Antibody | anti-HSD17B1 antibody

HSD17B1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA177101	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry

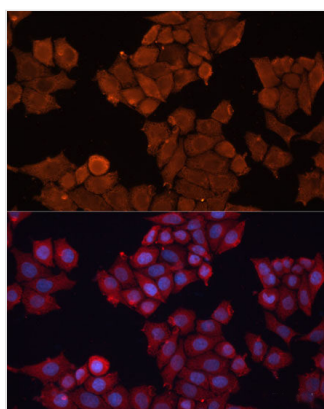
PRODUCT SYNONYMS

HSD17B1; Polyclonal Antibody; HSD17B1 Polyclonal Antibody; 17-beta-HSD; 20-alpha-HSD; E2DH; EDH17B2; EDHB17; HSD17; SDR28C1; anti-HSD17B1 antibody

PRODUCT SPECIFICATIONS

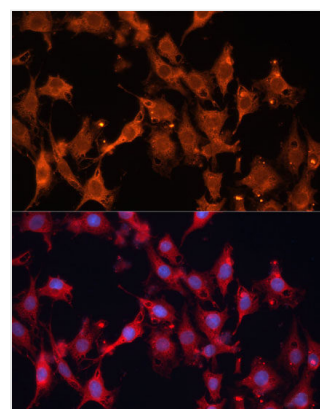
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-HSD17B1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	Recombinant fusion protein of human HSD17B1 (NP_0004042)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



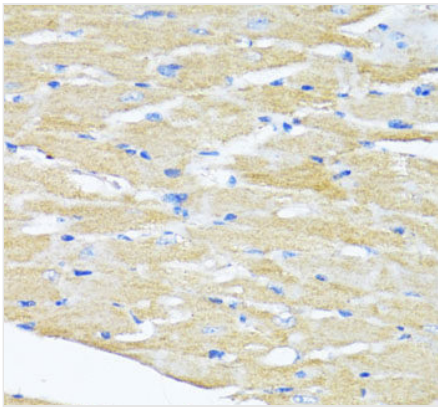
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using HSD17B1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

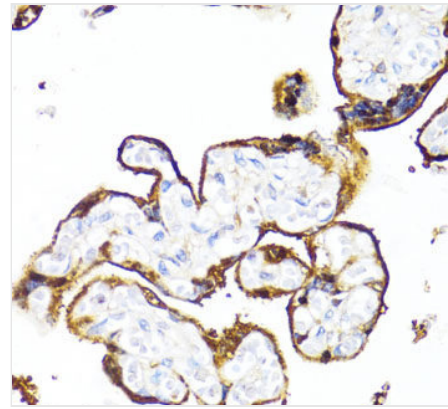


IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using HSD17B1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Mouse heart using HSD17B1 Polyclonal Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human placenta using HSD17B1 Polyclonal Antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-HSD17B1 antibody	Hydroxysteroid (17-beta) dehydrogenase 1 catalyzes the final step in the formation of estradiol and testosterone from estrone and androstenedione, respectively. Ovarian granulosa cells and breast tissue both express HSD17B1. Other tissues that express HSD17B1 include testis, placenta, uterus, prostate and adipose tissue. HSD17B1 functions as a homodimer and prefers NADP (H) over NAD (H) for oxidation and reduction. The gene encoding human HSD17B1 maps to chromosome 17q12-q21. The importance of HSD17B1 to estradiol production suggests the specific inhibition of HSD17B1 may aid in breast cancer therapy.
Product Categories/Family for anti-HSD17B1 antibody	Cancer ; Metabolism ; Neuroscience ; Signal Transduction ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	223718074
NCBI GeneID	3292
NCBI Accession #	NP_000404.2
NCBI GenBank Nucleotide #	NM_000413.2
UniProt Accession #	P14061; Q2M2L8; B3KXS1
Molecular Weight	34,950 Da
NCBI Official Full Name	estradiol 17-beta-dehydrogenase 1
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 1
NCBI Official Symbol	HSD17B1
NCBI Official Synonym Symbols	HSD17; EDHB17; EDH17B2; SDR28C1
NCBI Protein Information	estradiol 17-beta-dehydrogenase 1; 17-beta-HSD 1; 17-beta-hydroxysteroid dehydrogenase type 1; 20 alpha-hydroxysteroid dehydrogenase; 20-alpha-HSD; E2DH; estradiol 17-beta-dehydrogenase-1; hydroxysteroid (17-beta) dehydrogenase 1 isoform; placental 17-bet
UniProt Protein Name	Estradiol 17-beta-dehydrogenase 1
UniProt Gene Name	HSD17B1
UniProt Synonym Gene Names	E17KSR; EDH17B1; EDH17B2; EDHB17; 17-beta-HSD 1; 20-alpha-HSD
UniProt Entry Name	DHB1_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/hsd17b1-antibody-immunofluorescence-immunohistochemistry-elisa/177101>