

Rabbit anti-Human HSD3B1 Polyclonal Antibody | anti-HSD3B1 antibody

HSD3B1 Antibody

CATALOG # AAA232529	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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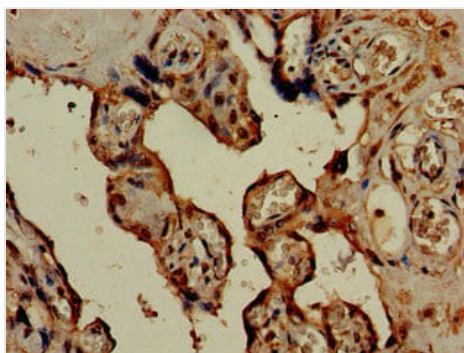
PRODUCT SYNONYMS

HSD3B1; Polyclonal Antibody; HSD3B1 Antibody; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type I; 3-beta-HSD I; Trophoblast antigen FDO161G; 3-beta-hydroxy-Delta(5)-steroid dehydrogenase; 3-beta-hydroxy-5-ene steroid dehydrogenase; Progesterone reductase; Steroid Delta-isomerase; Delta-5-3-ketosteroid isomerase; 3BH; HSDB3A; anti-HSD3B1 antibody

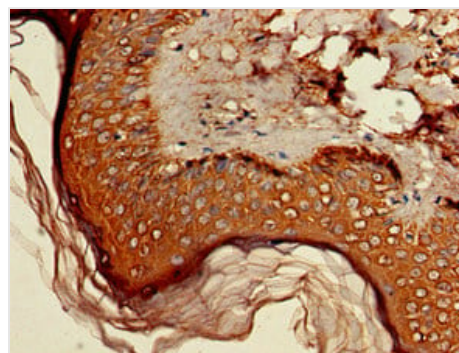
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	373
Applicable Applications for anti-HSD3B1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1 protein (127-267AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-30820
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

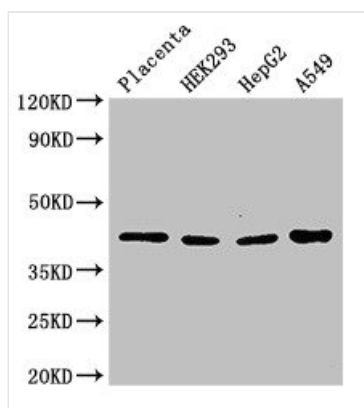
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta tissue using AAA232529 at dilution of 1:100


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human skin tissue using AAA232529 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: Human placenta tissue, HEK293 whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate. All lanes: HSD3B1 antibody at 3 µg/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 43 KDa. Observed band size: 43 KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HSD3B1 antibody

3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. Efficiently catalyzes the transformation of pregnenolone to progesterone, 17-alpha-hydroxypregnenolone to 17-alpha-hydroxyprogesterone, DHEA to 4-androstenedione, dihydrotestosterone to 5-alpha-androstane-3 beta, 17 beta-diol, dehydroepiandrosterone to androstenedione and 5-alpha-androstan-3 beta, 17 beta-diol to 5-alpha-dihydrotestosterone.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504507
NCBI GeneID	3283
NCBI Accession #	NP_000853.1
NCBI GenBank Nucleotide #	NM_000862.2
UniProt Accession #	P14060; Q14545; Q8IV65; A8K691
Molecular Weight	42,252 Da
NCBI Official Full Name	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1
NCBI Official Synonym Full Names	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1
NCBI Official Symbol	HSD3B1
NCBI Official Synonym Symbols	I; HSD3B; HSDB3; HSDB3A; SDR11E1; 3BETAHSD
NCBI Protein Information	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1
UniProt Protein Name	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1
UniProt Gene Name	HSD3B1
UniProt Synonym Gene Names	3BH; HSDB3A; 3-beta-HSD I
UniProt Entry Name	3BHS1_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://www.aaabiotech.com/polyclonal/hsd3b1-antibody-immunohistochemistry-western-blot-elisa/232529>