

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

HSD3B1 Antibody (N-term)

CATALOG # AAA286304	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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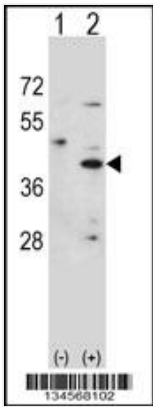
PRODUCT SYNONYMS

HSD3B1; Polyclonal Antibody; HSD3B1 Antibody (N-term); 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

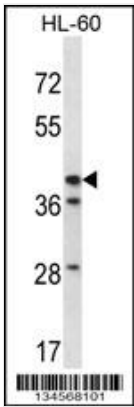
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HSD3B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the N-terminal region of human HSD3B1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	26-55
Sequence Length	373
Applicable Applications for anti-HSD3B1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of HSD3B1 (arrow) using rabbit polyclonal HSD3B1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HSD3B1 gene.



WB (Western Blot)
HSD3B1 Antibody (N-term) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the HSD3B1 antibody detected the HSD3B1 protein (arrow).

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.
Product Categories/Family for anti-HSD3B1 antibody	Cancer; Developmental biology; Metabolism; Signal transduction
References	Canzian, F., et al. Hum. Mol. Genet. 19(19):3873-3884(2010) Shimodaira, M., et al. Eur. J. Endocrinol. 163(4):671-680(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Thomas, J.L., et al. J. Steroid Biochem. Mol. Biol. 120 (4-5), 192-199 (2010) :

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	42252
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-western-blot-elisa/286304>