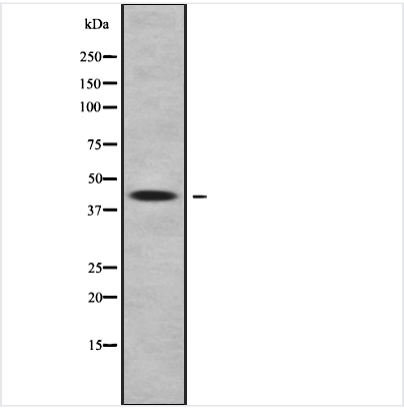
HSD3B1 Antibody

PRODUCT OVERVIEW

Product Name	HSD3B1, Antibody
Full Product Name	HSD3B1 Antibody
Product Gene Name	anti-HSD3B1 antibody
Molecular Weight	42,252 Da
OMIM	109715
3D Structure	ModBase 3D Structure for P14060
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-HSD3B1 antibody	MBS8518111 is an antibody targeting HSD3B1. Also known as HSD3B1 Antibody.
Other Notes	Small volumes of anti-HSD3B1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-HSD3B1 antibody
Western blot analysis HSD3B1 using Jurkat whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSD3B1. It may not necessarily be applicable to this product.

NCBI GI #	4504507
NCBI GeneID	3283
NCBI Accession #	NP_000853.1
UniProt Primary Accession #	P14060
UniProt Secondary Accession #	Q14545; Q8IV65; A8K691
UniProt Related Accession #	P14060
GenBank Nucleotide #	NM_000862.2
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
UniProt Protein Name	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1
UniProt Synonym Protein Names	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type I; 3-beta-HSD I; Trophoblast antigen FDO161GIncluding the following 2 domains:3-beta-hydroxy-Delta(5)-steroid dehydrogenase (EC:1.1.1.145)Alternative name(s):3-beta-hydroxy-5-ene steroid dehydrogenase; Progesterone reductase
Protein Family	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase
UniProt Gene Name	HSD3B1
UniProt Synonym Gene Names	3BH; HSDB3A; 3-beta-HSD I
NCBI Protein Information	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1
NCBI Summary for HSD3B1	The protein encoded by this gene is an enzyme that catalyzes the oxidative conversion of delta-5-3-beta-hydroxysteroid precursors into delta-4-ketosteroids, which leads to the production of all classes of steroid hormones. The encoded protein also catalyzes the interconversion of 3-beta-hydroxy- and 3-keto-5-alpha-androstane steroids. [provided by RefSeq, Jun 2016]
UniProt Comments for HSD3B1	3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta5-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.
Research Articles on HSD3B1	**1.** This is the first study to indicate that 3beta-HSD type 1 is a potent prognostic factor in hormone-dependent breast cancer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/antibody/hsd3b1/8518111