HSD11B2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HSD11B2, Polyclonal Antibody
Full Product Name	HSD11B2 Antibody, Biotin conjugated
Product Gene Name	anti-HSD11B2 antibody
Product Synonym Names	Corticosteroid 11-beta-dehydrogenase isozyme 2; 11-beta-hydroxysteroid dehydrogenase type 2; 11-DH2; 11-beta-HSD2; 11-beta-hydroxysteroid dehydrogenase type II; 11-HSD type II; 11-beta-HSD type II; NAD-dependent 11-beta-hydroxysteroid dehydrogenase; 11-beta-HSD; Short chain dehydrogenase/reductase family 9C member 3; HSD11B2; HSD11K1 Publication
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: HSD11B2 (MBS7105657) Biotin Conjugated Antibody: HSD11B2 (MBS7105660)
Molecular Weight	44,127 Da
OMIM	U14631 mRNA
3D Structure	ModBase 3D Structure for P80365
Immunogen	Recombinant Human Corticosteroid 11-beta-dehydrogenase isozyme 2 protein (1-405AA)
Conjugation	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-HSD11B2 antibody	Cancer; Cardiovascular; Cell biology; Metabolism; Signal transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HSD11B2 antibody	ELISA (EIA)
Related Product Information for anti-HSD11B2 antibody	Catalyzes the conversion of cortisol to the inactive metabolite cortisone. Modulates intracellular glucocorticoid levels, thus protecting the nonselective mineralocorticoid receptor from occupation by glucocorticoids.
Other Notes	Small volumes of anti-HSD11B2 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.
Searchable Terms for HSD11B2 purchase	MBS7105660 is an antibody targeting HSD11B2. Also known as HSD11B2 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSD11B2. It may not necessarily be applicable to this product.

NCBI GI #	119392083
NCBI GeneID	3291
NCBI Accession #	NP_000187.3
UniProt Primary Accession #	P80365
UniProt Secondary Accession #	Q13194; Q6P2G9; Q8N439; Q96QN8; Q9UC50; Q9UC51; Q9UCW5; Q9UCW6; Q9UCW7; A7LB28; C5HTY7
UniProt Related Accession #	P80365
GenBank Nucleotide #	NM_000196.3
NCBI Official Full Name	corticosteroid 11-beta-dehydrogenase isozyme 2
NCBI Official Synonym Full Names	hydroxysteroid 11-beta dehydrogenase 2
NCBI Official Symbol	HSD11B2
NCBI Official Synonym Symbols	AME; AME1; HSD2; HSD11K; SDR9C3
UniProt Protein Name	Corticosteroid 11-beta-dehydrogenase isozyme 2
UniProt Synonym Protein Names	11-beta-hydroxysteroid dehydrogenase type 2; 11-DH2; 11-beta-HSD2; 11-beta-hydroxysteroid dehydrogenase type II; 11-HSD type II; 11-beta-HSD type II; NAD-dependent 11-beta-hydroxysteroid dehydrogenase; 11-beta-HSD; Short chain dehydrogenase/reductase family 9C member 3
Protein Family	Corticosteroid 11-beta-dehydrogenase isozyme
UniProt Gene Name	HSD11B2
UniProt Synonym Gene Names	; 11-DH2; 11-beta-HSD2; 11-HSD type II; 11-beta-HSD type II; 11-beta-HSD
NCBI Protein Information	corticosteroid 11-beta-dehydrogenase isozyme 2
NCBI Summary for HSD11B2	There are at least two isozymes of the corticosteroid 11-beta-dehydrogenase, a microsomal enzyme complex responsible for the interconversion of cortisol and cortisone. The type I isozyme has both 11-beta-dehydrogenase (cortisol to cortisone) and 11-oxoreductase (cortisone to cortisol) activities. The type II isozyme, encoded by this gene, has only 11-beta-dehydrogenase activity. In aldosterone-selective epithelial tissues such as the kidney, the type II isozyme catalyzes the glucocorticoid cortisol to the inactive metabolite cortisone, thus preventing illicit activation of the mineralocorticoid receptor. In tissues that do not express the mineralocorticoid receptor, such as the placenta and testis, it protects cells from the growth-inhibiting and/or pro-apoptotic effects of cortisol, particularly during embryonic development. Mutations in this gene cause the syndrome of apparent mineralocorticoid excess and hypertension. [provided by RefSeq, Feb 2010]
Research Articles on HSD11B2	**1.** SUMOylation of 11beta-HSD2 at residue K266 modulates cortisol-mediated MR nuclear translocation independently of effects on transactivation.
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/polyclonal-human-antibody/hsd11b2/7105660