HSD3B2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	HSD3B2, Monoclonal Antibody
Full Product Name	HSD3B2 (HSDB3B, 3 beta-hydroxysteroid Dehydrogenase/Delta 5->4-isomerase Type 2, 3 beta-hydroxysteroid Dehydrogenase/Delta 5->4-isomerase Type II, 3-beta-HSD Adrenal and Gonadal Type, 3-beta-hydroxy-Delta(5)-steroid Dehydrogenase, 3-beta-hydroxy-5-ene Ste
Product Gene Name	anti-HSD3B2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1E8
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human HSD3B2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	42,052 Da
OMIM	201810
3D Structure	ModBase 3D Structure for P26439
Immunogen	Partial recombinant corresponding to aa33-122 from human HSD3B2 (NP_000189.1) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	ALDKAFRPELREEFSKLQNRTKLTVLEGDILDEPFLKRACQDVSVVIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASVPVFIYT
Conjugate	MaxLight550
Product Categories/Family for anti-HSD3B2 antibody	Antibodies; Enzymes; Dehydrogenase
Applications Tested/Suitable for anti-HSD3B2 antibody	FLISA, Western Blot (WB)
Application Notes for anti-HSD3B2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-HSD3B2 antibody	The protein encoded by this gene is a bifunctional enzyme that catalyzes the oxidative conversion of delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. It plays a crucial role in the biosynthesis of all classes of hormonal steroids. This gene is predominantly expressed in the adrenals and the gonads. Mutations in this gene are associated with 3-beta-hydroxysteroid dehydrogenase, type II, deficiency. Alternatively spliced transcript variants have been found for this gene.
Other Notes	Small volumes of anti-HSD3B2 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 HSD3B2 purchase	MBS6211971 is an antibody targeting HSD3B2. Also known as HSD3B2 (HSDB3B, 3 beta-hydroxysteroid Dehydrogenase/Delta 5->4-isomerase Type 2, 3 beta-hydroxysteroid Dehydrogenase/Delta 5->4-isomerase Type II, 3-beta-HSD Adrenal and Gonadal Type, 3-beta-hydroxy-Delta(5)-steroid Dehydrogenase, 3-beta-hydroxy-5-ene Ste. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSD3B2. It may not necessarily be applicable to this product.

NCBI GI #	4504509
NCBI GeneID	3284
NCBI Accession #	NP_000189.1
UniProt Primary Accession #	P26439
UniProt Secondary Accession #	Q16010; Q53GD4; Q6AI10; Q6LDB9; Q99890; Q9UD08; A2RRA5
UniProt Related Accession #	P26439
GenBank Nucleotide #	NM_000198
NCBI Official Full Name	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2
NCBI Official Synonym Full Names	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2
NCBI Official Symbol	HSD3B2
NCBI Official Synonym Symbols	HSDB; HSD3B; SDR11E2
UniProt Protein Name	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2
UniProt Synonym Protein Names	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type II; 3-beta-HSD II; 3-beta-HSD adrenal and gonadal typeIncluding 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	HSD3B2
UniProt Synonym Gene Names	HSDB3B; 3-beta-HSD II
UniProt Entry Name	3BHS2_HUMAN
NCBI Protein Information	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2; 3-beta-HSD II; 3 beta-HSD type II; progesterone reductase; delta 5-delta 4-isomerase type II; 3-beta-HSD adrenal and gonadal type; 3-beta-hydroxy-5-ene steroid dehydrogenase; 3-beta-hydr
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