HSD17B2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HSD17B2, Polyclonal Antibody
Full Product Name	HSD17B2 (EDH17B2, Estradiol 17-beta-dehydrogenase 2, 17-beta-hydroxysteroid Dehydrogenase Type 2, 20 alpha-hydroxysteroid Dehydrogenase, E
Product Gene Name	anti-HSD17B2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
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 HSD17B2. Species Crossreactivity: mouse.
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 amo
Molecular Weight	42,785 Da
Chromosome Location	Chromosome: 16; NC_000016.9 (82068858..82132139). Location: 16q24.1-q24.2
OMIM	109685
3D Structure	ModBase 3D Structure for P37059
Immunogen	Full length human HSD17B2, aa1-387 (NP_002144.1).
Immunogen Sequence	MSTFFSDTAWICLAVPTVLCGTVFCKYKKSSGQLWSWMVCLAGLCAVCLLILSPFWGLILFSVSCFLMYTYLSGQELLPVDQKAVLVTGGDCGLGHALCK
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-HSD17B2 antibody	Antibodies; Enzymes; Dehydrogenase
Applications Tested/Suitable for anti-HSD17B2 antibody	Western Blot (WB)
Application Notes for anti-HSD17B2 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-HSD17B2 antibody	HSD17B2 is capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone.HSD17B2 also has 20-alp
Other Notes	Small volumes of anti-HSD17B2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nec
Searchable Terms for HSD17B2 purchase	MBS6381712 is an antibody targeting HSD17B2. Also known as HSD17B2 (EDH17B2, Estradiol 17-beta-dehydrogenase 2, 17-beta-hydroxysteroid De

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSD17B2. It may not necessarily be applicable to this product.

NCBI GI #	4504503
NCBI GeneID	3294
NCBI Accession #	NP_002144.1
UniProt Primary Accession #	P37059
UniProt Secondary Accession #	B2R7T4
UniProt Related Accession #	P37059
GenBank Nucleotide #	NM_002153.1
NCBI Official Full Name	estradiol 17-beta-dehydrogenase 2
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 2
NCBI Official Symbol	HSD17B2
NCBI Official Synonym Symbols	HSD17; SDR9C2; EDH17B2
UniProt Protein Name	Estradiol 17-beta-dehydrogenase 2
UniProt Synonym Protein Names	17-beta-hydroxysteroid dehydrogenase type 2; 17-beta-HSD 2; 20 alpha-hydroxysteroid dehydrogenase; 20-alpha-HSD; E2DH; Microsomal 17-beta-hydroxysteroid dehydrogenase; Testosterone 17-beta-dehydrogenase
Protein Family	Estradiol 17 beta-dehydrogenase
UniProt Gene Name	HSD17B2
UniProt Synonym Gene Names	EDH17B2; 17-beta-HSD 2
UniProt Entry Name	DHB2_HUMAN
NCBI Protein Information	estradiol 17-beta-dehydrogenase 2; E2DH; 20-alpha-HSD; 17-beta-HSD 2; testosterone 17-beta-dehydrogenase; 20 alpha-hydroxysteroid dehydrogenase; 17-beta-hydroxysteroid dehydrogenase type 2; microsomal 17-beta-hydroxysteroid dehydrogenase; short chain dehy

UniProt Comments for HSD17B2	HSD17B2: Capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone. Also has 20-alpha-HSD activity. Uses NADH while EDH17B3 uses NADPH. Belongs to the short-chain dehydrogenases/reductases (SDR) family. Protein type: EC 1.1.1.62; EC 1.1.1.239; Lipid Metabolism - androgen and estrogen; Endoplasmic reticulum; Membrane protein, integral; Oxidoreductase Chromosomal Location of Human Ortholog: 16q24.1-q24.2 Cellular Component: endoplasmic reticulum membrane; integral to membrane Molecular Function: estradiol 17-beta-dehydrogenase activity; 20-alpha-hydroxysteroid dehydrogenase activity; 3-alpha(17-beta)-hydroxysteroid dehydrogenase (NAD+) activity Biological Process: response to retinoic acid; in utero embryonic development; steroid biosynthetic process; placenta development
Research Articles on HSD17B2	**1.** no significant difference in the genotype and allele frequencies of rs8191246 between uterine leiomyoma cases and controls
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