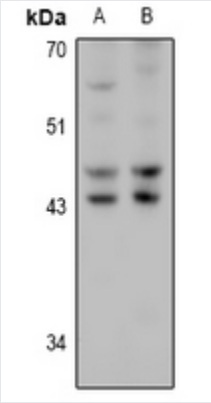
HSD17B2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HSD17B2, Polyclonal Antibody
Full Product Name	Anti-HSD17B2 Antibody
Product Gene Name	anti-HSD17B2 antibody
Product Synonym Names	EDH17B2; Estradiol 17-beta-dehydrogenase 2; 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
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
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
Applications Tested/Suitable for anti-HSD17B2 antibody	Western Blot (WB)
Related Product Information for anti-HSD17B2 antibody	Rabbit polyclonal antibody to HSD17B2 KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HSD17B2. The exact sequence is proprietary.
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 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 HSD17B2 purchase	MBS9240446 is an antibody targeting HSD17B2. Reactive in Human, Mouse. Host: Rabbit.



Wester Blot (WB) of anti-HSD17B2 antibody
Dilution: WB (1/500 - 1/1000)Western blot analysis of HSD17B2 expression in HCT116 (A), CT26 (B) whole cell lysates.

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_002153.2
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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