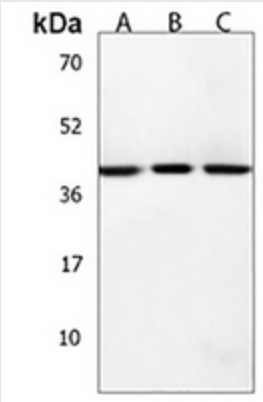
HSD17B7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HSD17B7, Polyclonal Antibody
Full Product Name	Anti-HSD17B7 Antibody
Product Gene Name	anti-HSD17B7 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of HSD17B7 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	38,206 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (162760496..162782608). Location: 1q23
OMIM	606756
3D Structure	ModBase 3D Structure for P56937
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-terminal region of human HSD17B7. The exact sequence is proprietary.
Product Categories/Family for anti-HSD17B7 antibody	Primary Antibodies
Applications Tested/Suitable for anti-HSD17B7 antibody	Western Blot (WB), Flow Cytometry (FC/FACS)
Application Notes for anti-HSD17B7 antibody	WB: 1/500-1/1000 FC: 1/10-1/50
Related Product Information for anti-HSD17B7 antibody	MBS8324404 is an antibody targeting HSD17B7. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to HSD17B7
Other Notes	Small volumes of anti-HSD17B7 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-HSD17B7 antibody
Western blot analysis of HSD17B7 expression in 293 (A), HL60 (B), Jurkat (C) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 45 kD)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSD17B7. It may not necessarily be applicable to this product.

NCBI GI #	37183042
NCBI GeneID	51478
NCBI Accession #	AAQ89321.1
UniProt Primary Accession #	P56937
UniProt Secondary Accession #	Q5T246; Q7Z4V9; Q8WWS2; Q9UF00
UniProt Related Accession #	P56937
NCBI Official Full Name	HSD17B7
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 7
NCBI Official Symbol	HSD17B7
NCBI Official Synonym Symbols	PRAP; SDR37C1
UniProt Protein Name	3-keto-steroid reductase
UniProt Synonym Protein Names	17-beta-hydroxysteroid dehydrogenase 7; 17-beta-HSD 7; Estradiol 17-beta-dehydrogenase 7
UniProt Gene Name	HSD17B7
UniProt Synonym Gene Names	17-beta-HSD 7
UniProt Entry Name	DHB7_HUMAN
NCBI Protein Information	3-keto-steroid reductase; 17-beta-HSD 7; estradiol 17-beta-dehydrogenase 7; 17beta hydroxysteroid dehydrogenase; 17-beta-hydroxysteroid dehydrogenase 7; 17 beta-hydroxysteroid dehydrogenase type VII; short chain dehydrogenase/reductase family 37C, member
NCBI Summary for HSD17B7	HSD17B7 encodes an enzyme that functions both as a 17-beta-hydroxysteroid dehydrogenase (EC 1.1.1.62) in the biosynthesis of sex steroids and as a 3-ketosteroid reductase (EC 1.1.1.270) in the biosynthesis of cholesterol (Marijanovic et al., 2003 [PubMed 12829805]).[supplied by OMIM, May 2010]

UniProt Comments for HSD17B7	Function: Responsible for the reduction of the keto group on the C-3 of sterols. Ref.11 Catalytic activity: A 3-beta-hydroxysteroid + NADP+ = a 3-oxosteroid + NADPH.17-beta-estradiol + NAD(P)+ = estrone + NAD(P)H. Pathway: Steroid biosynthesis; estrogen biosynthesis.Steroid biosynthesis; zymosterol biosynthesis; zymosterol from lanosterol: step 5/6. Subcellular location: Cell membrane; Single-pass membrane protein. Tissue specificity: Highly expressed in adrenal gland, liver, lung and thymus. Expressed in breast, ovaries, pituitary gland, pregnant uterus, prostate, kidney, lymph node, small intestine, spinal cord and trachea. Weakly expressed in all other tissues tested. Isoform 3 is expressed in eye ciliary epithelial cells and neuroendocrine cells. Post-translational modification: Phosphorylated. Sequence similarities: Belongs to the short-chain dehydrogenases/reductases (SDR) family. ERG27 subfamily.
Research Articles on HSD17B7	**1.** 17betaHSD7 is not the key enzyme responsible for androstenone and testosterone metabolism in porcine liver cells
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