HSD17B7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HSD17B7, Polyclonal Antibody
Full Product Name	HSD17B7 Polyclonal Antibody
Product Gene Name	anti-HSD17B7 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	34kDa; 37kDa; 38kDa
OMIM	606756
3D Structure	ModBase 3D Structure for P56937
Immunogen	Recombinant protein of human HSD17B7.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HSD17B7 antibody	Western Blot (WB)
Application Notes for anti-HSD17B7 antibody	WB: 1:500-1:2000
Related Product Information for anti-HSD17B7 antibody	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]).
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.
Searchable Terms for HSD17B7 purchase	MBS8571783 is an antibody targeting HSD17B7. Also known as HSD17B7 Polyclonal Antibody. Reactive in Mouse. Host: Rabbit.

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 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
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.** Substrate affinity of 17beta-hydroxysteroid dehydrogenase type 7 toward estrone and 5alpha-dihydrotestosterone are similar.
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