



# Human HSD3B1 blocking peptide (CDBP1518)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-HSD3B1 antibody
<b>Antigen Description</b>	HSD3B1 (hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1) is a protein-coding gene. Diseases associated with HSD3B1 include heel spur, and adrenal gland hyperfunction, and among its related super-pathways are Glucocorticoid biosynthesis and Metabolic pathways. GO annotations related to this gene include steroid delta-isomerase activity and nucleotide binding. An important paralog of this gene is HSD3B2.
<b>Nature</b>	Synthetic
<b>Expression System</b>	N/A
<b>Species</b>	Human
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Procedure</b>	None
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## ANTIGEN GENE INFORMATION

<b>Gene Name</b>	<a href="#">HSD3B1 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	HSD3B1
<b>Synonyms</b>	HSD3B1; hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1; HSD3B, HSDB3; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1; SDR11E1; short chain dehydrogenase/reductase family 11E; member 1; 3 beta-hydroxysteroid dehydrogenase/Delta 5--> 4-isomerase type 1; 3-beta-HSD I; progesterone reductase; steroid Delta-isomerase; trophoblast antigen FDO161G; delta-5-3-ketosteroid isomerase; 3-beta-hydroxy-5-ene steroid dehydrogenase; 3-beta-hydroxy-Delta(5)-steroid dehydrogenase; short chain dehydrogenase/reductase family 11E, member 1; 4-isomerase type I; hydroxy-delta-5-steroid dehydrogenase, 3 beta-and steroid delta-isomerase 1; I; HSD3B; HSDB3; HSDB3A; 3BETAHSD;
<b>Entrez Gene ID</b>	<a href="#">3283</a>
<b>mRNA Refseq</b>	<a href="#">NM_000862</a>
<b>Protein Refseq</b>	<a href="#">NP_000853</a>
<b>UniProt ID</b>	P14060
<b>Chromosome Location</b>	1p12
<b>Pathway</b>	Androgen biosynthesis, organism-specific biosystem; C19/C18-Steroid hormone biosynthesis, pregnenolone => androstenedione => estrone, organism-specific biosystem; C19/C18-Steroid hormone biosynthesis, pregnenolone => androstenedione => estrone, conserved biosystem;
<b>Function</b>	3-beta-hydroxy-delta5-steroid dehydrogenase activity; isomerase activity; nucleotide binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor; steroid delta-isomerase activity;