



# Human HSD11B1 blocking peptide (CDBP1517)

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-HSD11B1/HDL antibody
<b>Antigen Description</b>	The protein encoded by this gene is a microsomal enzyme that catalyzes the conversion of the stress hormone cortisol to the inactive metabolite cortisone. In addition, the encoded protein can catalyze the reverse reaction, the conversion of cortisone to cortisol. Too much cortisol can lead to central obesity, and a particular variation in this gene has been associated with obesity and insulin resistance in children. Mutations in this gene and H6PD (hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)) are the cause of cortisone reductase deficiency. Alternate splicing results in multiple transcript variants encoding the same protein.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<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.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HSD11B1 hydroxysteroid (11-beta) dehydrogenase 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	HSD11B1
<b>Synonyms</b>	HSD11B1; hydroxysteroid (11-beta) dehydrogenase 1; HSD11, HSD11B; corticosteroid 11-

beta-dehydrogenase isozyme 1; SDR26C1; short chain dehydrogenase/reductase family 26C; member 1; short chain dehydrogenase/reductase family 26C, member 1; HDL; 11-DH; HSD11; HSD11B; HSD11L; 11-beta-HSD1; MGC13539;

Entrez Gene ID	<a href="#">3290</a>
mRNA Refseq	<a href="#">NM_001206741</a>
Protein Refseq	<a href="#">NP_001193670</a>
UniProt ID	P28845
Chromosome Location	1q32-q41
Pathway	C21-Steroid hormone biosynthesis, progesterone => cortisol/cortisone, organism-specific biosystem; C21-Steroid hormone biosynthesis, progesterone => cortisol/cortisone, conserved biosystem; Glucocorticoid & Mineralcorticoid Metabolism, organism-specific biosystem;
Function	11-beta-hydroxysteroid dehydrogenase (NADP+) activity; 11-beta-hydroxysteroid dehydrogenase [NAD(P)] activity; nucleotide binding; oxidoreductase activity;