



## Rabbit Anti-HSD17B8 antibody

SL11407R

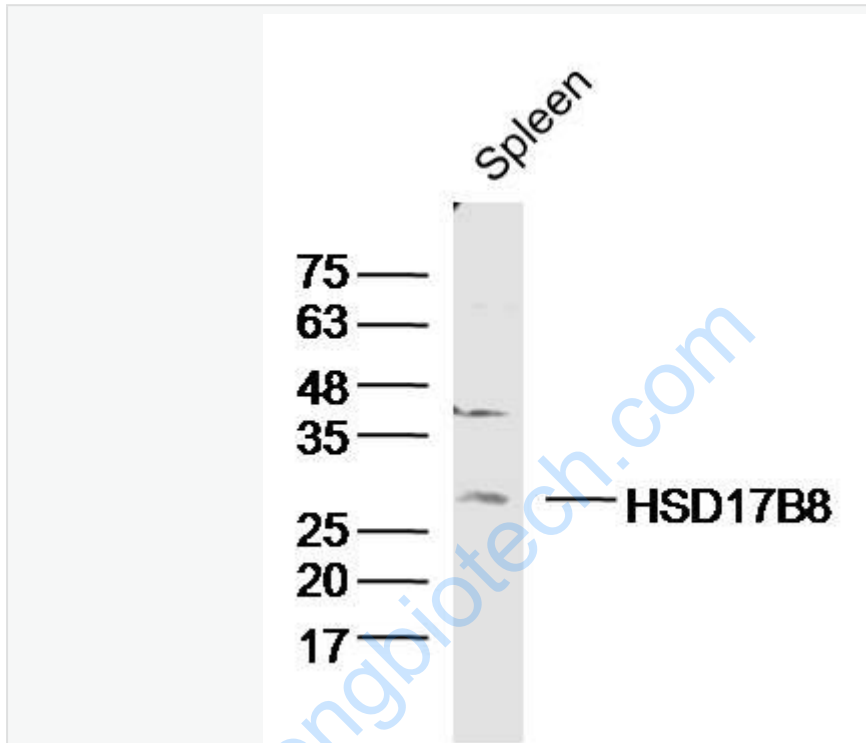
<b>Product Name:</b>	HSD17B8
<b>Chinese Name:</b>	羟类固醇脱氢酶17β抗体(17β-HSD8)
<b>Alias:</b>	17 beta HSD 8; 17 beta hydroxysteroid dehydrogenase 8; 17-beta-HSD 8; 17-beta-hydroxysteroid dehydrogenase 8; 3-oxoacyl-[acyl-carrier-protein] reductase; Beta ketoacyl [acyl carrier protein] reductase like; D6S2245E; DHB8_HUMAN; dJ1033B10.9; Estradiol 17 beta dehydrogenase 8; Estradiol 17-beta-dehydrogenase 8; Estrogen 17 oxidoreductase; FABG; FABGL; H2 KE6; HKE6; HSD17B8; Hydroxysteroid (17 beta) dehydrogenase 8; 17beta hydroxysteroid dehydrogenase type 8; Ke-6; KE6; Protein Ke6; Really interesting new gene 2 protein; RING2; SDR30C1; Short chain dehydrogenase/reductase family 30C member 1; Testosterone 17 beta dehydrogenase 8; Testosterone 17-beta-dehydrogenase 8.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500(Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	27kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HSD17B8:174-220/261
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>17beta-HSD8 belongs to the 17beta-HSD family of proteins that regulate the availability of steroids within a tissue. 17beta-HSD8 converts active steroids to their inactive form through its oxidative activity. It is a key player in the inactivation of Estradiol and Testosterone. 17beta-HSD8 is predominantly expressed in placenta, endometrium and prostate but can also be found in liver, and pancreas, with lowest levels found in testis, ovary and kidney. It has been proposed that a reduction in the levels of 17beta-HSD8 may lead to abnormal elevations in the local level of sex steroids, which can lead to recessive renal cystic disease. It has also been suggested that low levels of 17beta-HSD proteins may result in an underdeveloped urogenital system.</p> <p><b>Function:</b> NAD-dependent 17-beta-hydroxysteroid dehydrogenase with highest activity towards estradiol. Has very low activity towards testosterone. The heterotetramer with CBR4 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity. May play a role in biosynthesis of fatty acids in mitochondria.</p> <p><b>Subunit:</b> Heterotetramer with CBR4; contains two molecules of HSD17B8 and CBR4.</p> <p><b>Subcellular Location:</b> Mitochondrion matrix.</p> <p><b>Tissue Specificity:</b> Highly expressed in placenta, liver and pancreas, lower in the skeletal muscle and kidney. Widely expressed.</p> <p><b>Similarity:</b> Belongs to the short-chain dehydrogenases/reductases (SDR) family.</p> <p><b>SWISS:</b> Q92506</p> <p><b>Gene ID:</b> 7923</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 7923</a>Human</p> <p><a href="#">Omim: 601417</a>Human</p> <p><a href="#">SwissProt: Q92506</a>Human</p> <p><a href="#">Unigene: 415058</a>Human</p>

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample: spleen (mouse) Lysate at 40 ug

Primary: Anti- HSD17B8 (SL11407R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 27 kD