羟类固醇脱氢酶 17β 抗体（17β-HSD8）

产品货号： mlR11407

英文名称： HSD17B8

中文名称： 羟类固醇脱氢酶 17β 抗体（17β-HSD8）

别　　名： 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.

研究领域： 细胞生物　神经生物学　信号转导　生长因子和激素

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500（石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 27kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

mlbio 酶联生物
Good elisakit producers

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human HSD17B8:174-220/261

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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.

PubMed： PubMed

产品介绍： 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.

Function:

NAD-dependent 17-beta-hydroxysteroid dehydrogenase with highest activity towards estradiol. Has very low activity towards testosterone. The heteroteramer with CBR4 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity. May play a role in biosynthesis of fatty acids in mitochondria.

Subunit:

Heterotetramer with CBR4; contains two molecules of HSD17B8 and CBR4.

Subcellular Location:

Mitochondrion matrix.

Tissue Specificity:

Highly expressed in placenta, liver and pancreas, lower in the skeletal muscle and kidney. Widely expressed.

Similarity:

Belongs to the short-chain dehydrogenases/reductases (SDR) family.

SWISS:

Q92506

Gene ID:

7923

Important Note:

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

产品图片