



## Rabbit Anti-HSD17B4 antibody

SL11296R

<b>Product Name:</b>	HSD17B4
<b>Chinese Name:</b>	羟基类固醇(17β)脱氢酶4/17β-HSD4抗体
<b>Alias:</b>	hydroxysteroid (17-beta) dehydrogenase 4; 12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA hydratase; 17 beta HSD 4; 17 beta HSD IV; 17 beta hydroxysteroid dehydrogenase 4; 17-beta-HSD 4; 17-beta-hydroxysteroid dehydrogenase 4; 17beta estradiol dehydrogenase type IV; 3 alpha 7 alpha 12 alpha trihydroxy 5 beta cholest 24 enoyl CoA hydratase antibody 3-alpha; 7-alpha; Beta hydroxyacyl dehydrogenase; Beta keto reductase; D 3 hydroxyacyl CoA dehydratase; D bifunctional protein; D bifunctional protein peroxisomal; D-bifunctional protein; DBP; DHB4_HUMAN; EDH17B4; Enoyl-CoA hydratase 2; Hsd17b4; MFE 2; MFE-2; MPF-2; Multifunctional protein 2; Peroxisomal multifunctional enzyme type 2; Peroxisomal multifunctional protein 2; SDR8C1; Short chain dehydrogenase/reductase family 8C member 1; 17β-HSD4.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Sheep,Guinea Pig,Zebrafish
<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>	47/80kDa
<b>Cellular localization:</b>	cytoplasmic <a href="#">Mitochondrion</a>
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HSD17B4 Enoyl-CoA hydratase 2:521-620/736
<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-HSD4 (17Beta-hydroxysteroid dehydrogenase type 4) is also known as peroxisomal multifunctional enzyme/protein 2 (MFE-2/MFP-2), D-bifunctional enzyme or 17-Beta Estradiol dehydrogenase type IV. It belongs to the 17Beta-HSD family of proteins that regulate the availability of steroids within various tissues throughout the body. 17Beta-HSD4 inactivates Estradiol through its oxidative activity but it is primarily involved in peroxisomal fatty acid and cholesterol Beta-oxidation. It has a multi-domain structure: the dehydrogenase domain is fused to a hydratase and a lipid transfer domain. 17Beta-HSD4 is a target protein of chromeceptin and it is essential for the downstream activation of Stat6. 17Beta-HSD4-deficient patients exhibit Zellweger-like syndrome and die within the first year of life. They display neuronal migration defects, facial dysmorphisms, severe hypotonia and convulsions in the neonatal period.</p> <p><b>Function:</b> Bifunctional enzyme acting on the peroxisomal beta-oxidation pathway for fatty acids. Catalyzes the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids.</p> <p><b>Subcellular Location:</b> Peroxisome.</p> <p><b>Tissue Specificity:</b> Present in many tissues with highest concentrations in liver, heart, prostate and testis.</p> <p><b>DISEASE:</b> Defects in HSD17B4 are a cause of D-bifunctional protein deficiency (DBPD) [MIM:261515]. DBPD is a disorder of peroxisomal fatty acid beta-oxidation.</p> <p><b>Similarity:</b> Belongs to the short-chain dehydrogenases/reductases (SDR) family. Contains 1 MaoC-like domain. Contains 1 SCP2 domain.</p> <p><b>SWISS:</b> P51659</p> <p><b>Gene ID:</b> 3295</p> <p><b>Database links:</b> <a href="#">Entrez Gene: 3295</a>Human</p>

[Entrez Gene: 15488](#)Mouse

[Entrez Gene: 79244](#)Rat

[Oimim: 601860](#)Human

[SwissProt: P51659](#)Human

[SwissProt: P51660](#)Mouse

[SwissProt: P97852](#)Rat

[Unigene: 406861](#)Human

[Unigene: 277857](#)Mouse

[Unigene: 2082](#)Rat

**Important Note:**

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

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