

产品名称: 17 $\beta$ -HSD4 Rabbit Polyclonal Antibody  
产品货号: APRab06289



## 产品概述 (Summary)

|                        |                                             |
|------------------------|---------------------------------------------|
| 产品名称 (Production Name) | 17 $\beta$ -HSD4 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody                  |
| 宿主 (Host)              | Rabbit                                      |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA                         |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                             |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | HSD17B4<br>HSD17B4; EDH17B4; Peroxisomal multifunctional enzyme type 2; MFE-2; 17-                                                |
| 别名 (Alternative Names) | beta-hydroxysteroid dehydrogenase 4; 17-beta-HSD 4; D-bifunctional protein; DBP; Multifunctional protein 2; MPF-2                 |
| 基因 ID (Gene ID)        | 3295.0                                                                                                                            |
| 蛋白 ID (SwissProt ID)   | P51659.The antiserum was produced against synthesized peptide derived from the N-terminal region of human HSD17B4. AA range:41-90 |

## 产品应用 (Application)

|                          |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 80kDa                                                                   |

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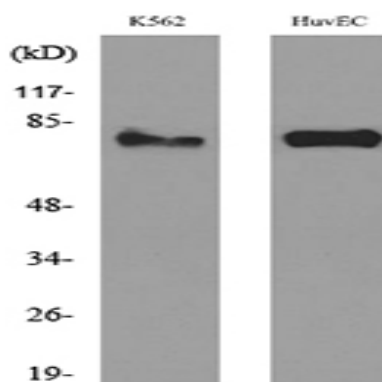
## 研究背景 (Background)

hydroxysteroid 17-beta dehydrogenase 4(HSD17B4) Homo sapiens The protein encoded by this gene is a bifunctional enzyme that is involved in the peroxisomal beta-oxidation pathway for fatty acids. It also acts as a catalyst for the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. Defects in this gene that affect the peroxisomal fatty acid beta-oxidation activity are a cause of D-bifunctional protein deficiency (DBPD). An apparent pseudogene of this gene is present on chromosome 8. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014],catalytic activity: (24R,25R)-3- $\alpha$ ,7- $\alpha$ ,12- $\alpha$ ,24-tetrahydroxy-5- $\beta$ -cholestanoyl-CoA = (24E)-3- $\alpha$ ,7- $\alpha$ ,12- $\alpha$ -trihydroxy-5- $\beta$ -cholest-24-enoyl-CoA + H<sub>2</sub>O,,catalytic activity:(S)-3-hydroxyacyl-CoA + NAD(+) = 3-oxoacyl-CoA + NADH,,disease:Defects in HSD17B4 are a cause of D-bifunctional protein deficiency (DBPD) [MIM:261515]. DBPD is a disorder of peroxisomal fatty acid beta-oxidation,,function: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,,pathway:Lipid metabolism; fatty acid beta-oxidation,,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family,,similarity:Contains 1 SCP2 domain,,tissue specificity:Present in many tissues with highest concentrations in liver, heart, prostate and testis.,

## 研究领域 (Research Area)

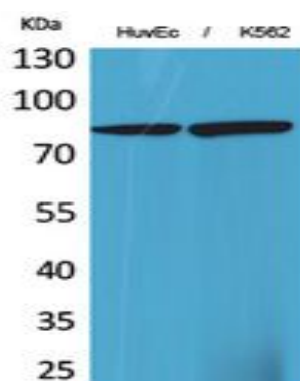
Primary bile acid biosynthesis;

## 图片 (Image Data)

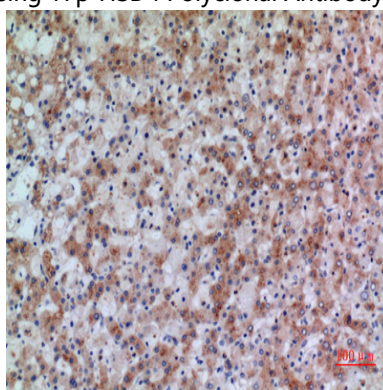


Western blot analysis of lysate from K562, HUVEC cells, using HSD17B4 Antibody.

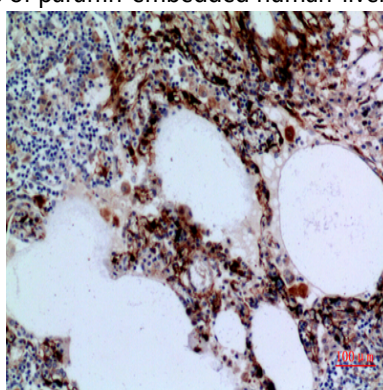
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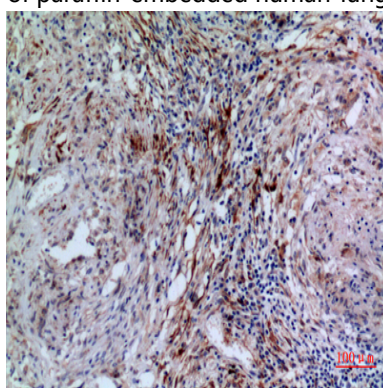
Western Blot analysis of HuvEc, K562 cells using 17 $\beta$ -HSD4 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100



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Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100

**注意事项 (Note)**

For research use only .