

## 17β-HSD4 Rabbit pAb

CatalogNo: YT5386

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 80kD (Observed)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC: 1:100-1:300**

**ELISA 1:20000**

**IF 1:50-200**

### | Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

#### Clonality

Polyclonal

### | Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from the N-terminal region of human HSD17B4. AA range: 41-90

#### Specificity

17β-HSD4 Polyclonal Antibody detects endogenous levels of 17β-HSD4 protein.

### | Target Information

Gene name HSD17B4

Protein Name Peroxisomal multifunctional enzyme type 2

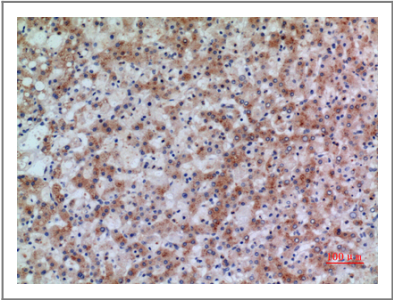
Organism	Gene ID	UniProt ID
Human	<a href="#">3295</a> ;	<a href="#">P51659</a> ;
Mouse	<a href="#">15488</a> ;	<a href="#">P51660</a> ;
Rat	<a href="#">79244</a> ;	<a href="#">P97852</a> ;

Cellular Localization Peroxisome .

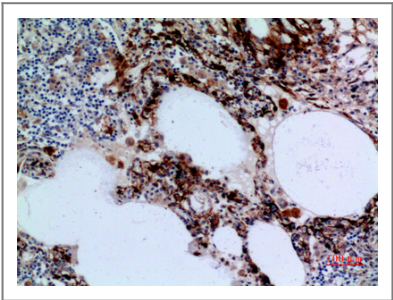
Tissue specificity Present in many tissues with highest concentrations in liver, heart, prostate and testis.

Function 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(2)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.,

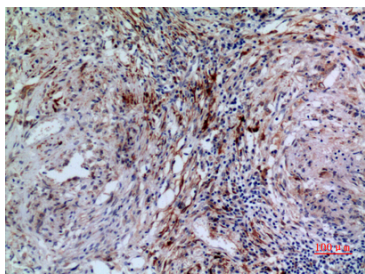
## Validation Data



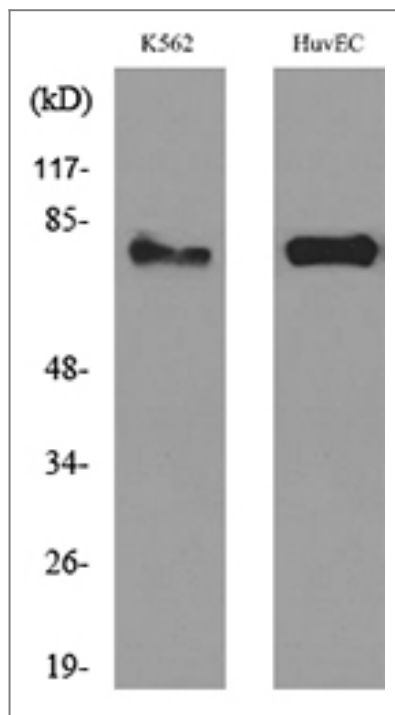
Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



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



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



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

## Contact information

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Please scan the QR code to access additional product information:  
**17β-HSD4 Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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