

17 β -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

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

Target Information

Gene name HSD17B4

Protein Name Peroxisomal multifunctional enzyme type 2

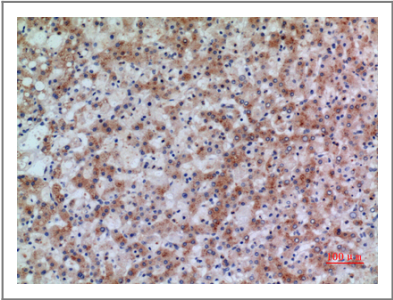
| Organism | Gene ID | UniProt ID |
|----------|-------------------------|--------------------------|
| Human | 3295 ; | P51659 ; |
| Mouse | 15488 ; | P51660 ; |
| Rat | 79244 ; | P97852 ; |

Cellular Localization Peroxisome .

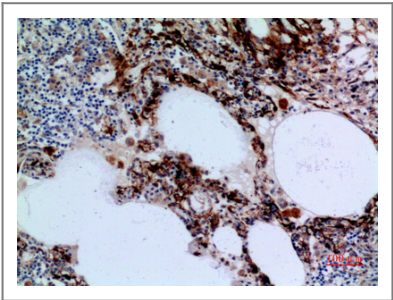
Tissue specificity Present in many tissues with highest concentrations in liver, heart, prostate and testis.

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.,

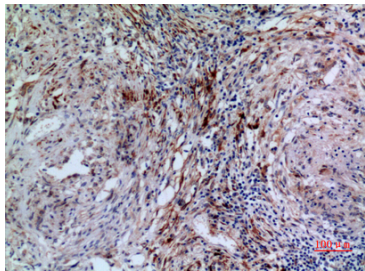
Validation Data



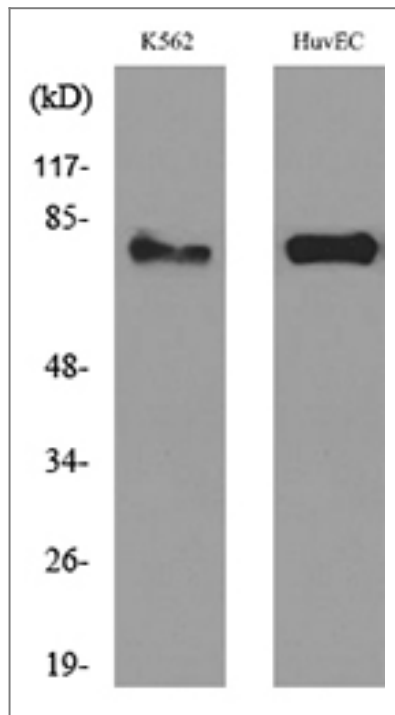
Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



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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