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Tel: 858.875.1900 Fax: 858.875.1999

17β-HSD4 Polyclonal Antibody
Catalog # AP73569

Specification

17β-HSD4 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P51659
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

17β-HSD4 Polyclonal Antibody - Additional Information

Gene ID 3295

Other Names
HSD17B4; EDH17B4; Peroxisomal multifunctional enzyme type 2; MFE-2; 17-beta-hydroxysteroid dehydrogenase 4; 17-beta-HSD 4; D-bifunctional protein; DBP; Multifunctional protein 2; MPF-2

Dilution
WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

17β-HSD4 Polyclonal Antibody - Protein Information

Name HSD17B4 (HGNC:5213)

Synonyms EDH17B4, SDR8C1

Function
Bifunctional enzyme acting on the peroxisomal fatty acid beta-oxidation pathway. Catalyzes two of the four reactions in fatty acid degradation: hydration of 2-enoyl-CoA (trans-2-enoyl-CoA) to produce (3R)-3-hydroxyacyl-CoA, and dehydrogenation of (3R)-3- hydroxyacyl-CoA to produce 3-ketoacyl-CoA (3-oxoacyl-CoA), which is further metabolized by SCPx. Can use straight-chain and branched-chain fatty acids, as well as bile acid intermediates as substrates.

Cellular Location
Peroxisome.

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

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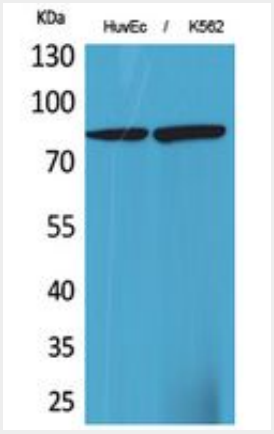
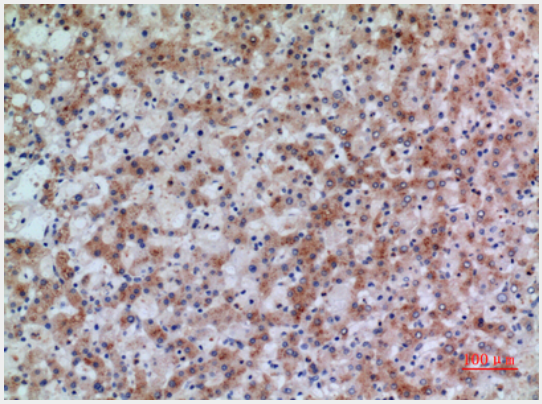
17β-HSD4 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

17β-HSD4 Polyclonal Antibody - Images





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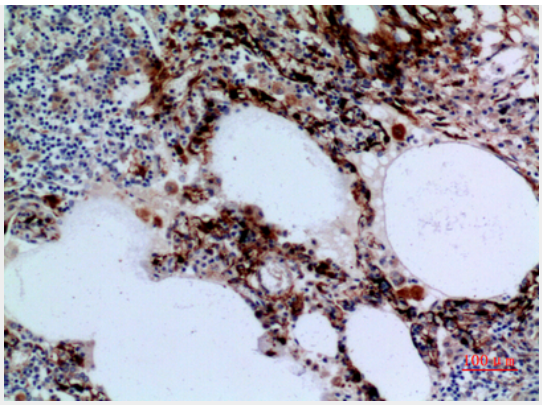

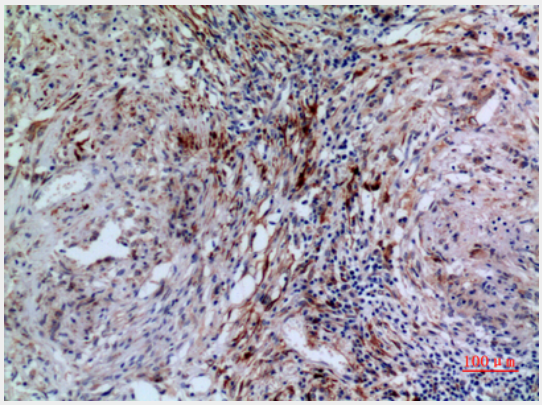

17β-HSD4 Polyclonal Antibody - Background

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.