10320 Camino Santa Fe, Suite G
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Anti-HSD17B4 Antibody

Rabbit polyclonal antibody to HSD17B4

Catalog # AP60180

Specification

Anti-HSD17B4 Antibody - Product Information

Application	**WB**
Primary Accession	P51659
Other Accession	P51660
Reactivity	**Human, Mouse, Rat, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**79686**

Anti-HSD17B4 Antibody - Additional Information

Gene ID 3295

Other Names
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

Target/Specificity
Recognizes endogenous levels of HSD17B4 protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-HSD17B4 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.

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Cellular Location
Peroxisome.

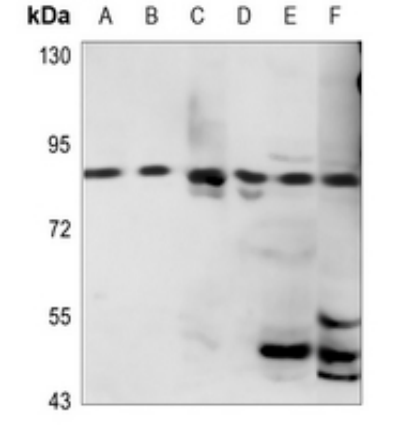
Tissue Location
Present in many tissues with highest concentrations in liver, heart, prostate and testis

Anti-HSD17B4 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

Anti-HSD17B4 Antibody - Images



Western blot analysis of HSD17B4 expression in HEK293T (A), H1688 (B), H1792 (C), mouse liver (D), rat liver (E) whole cell lysates.

Anti-HSD17B4 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HSD17B4. The exact sequence is proprietary.