

**HSD17B4/MPF-2 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10462****Specification**

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**HSD17B4/MPF-2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P51659</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	79686

**HSD17B4/MPF-2 Antibody - Additional Information****Gene ID 3295**

Positive Control  
Application & Usage

**Mouse 3T3 cell lysate**  
The antibody can be used in Western Blot analysis (1-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide is available separately.

**Other Names**

Peroxisomal multifunctional enzyme type 2

**Target/Specificity**

HSD17B4/MPF-2

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti- HSD17B4/MPF-2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions**

**Precautions**

HSD17B4/MPF-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**HSD17B4/MPF-2 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.

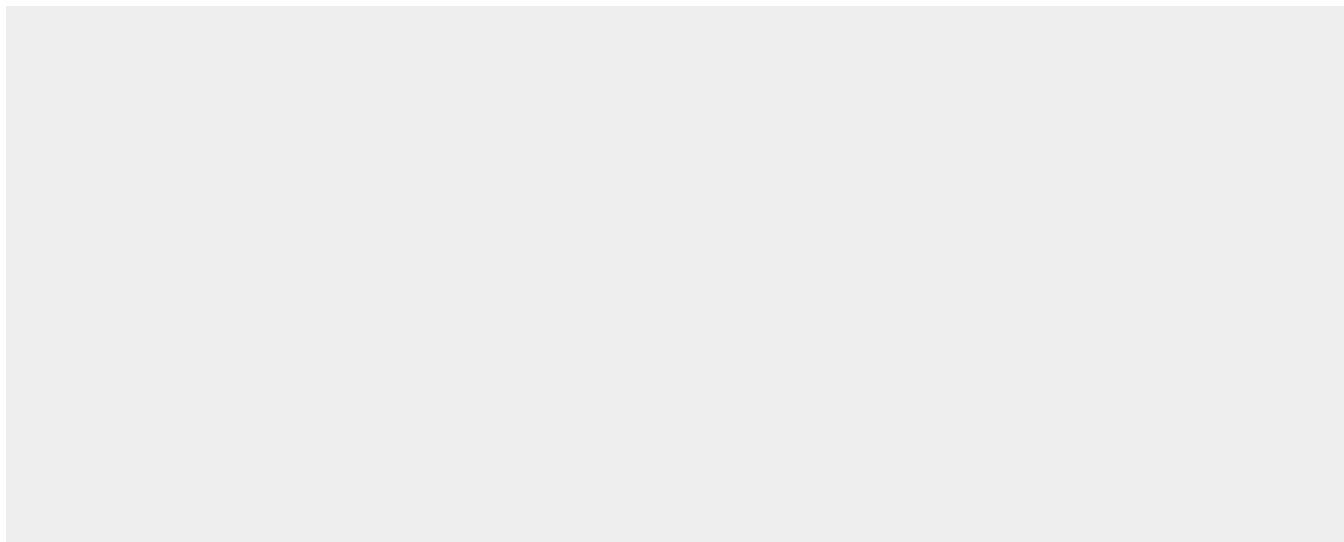
**Tissue Location**

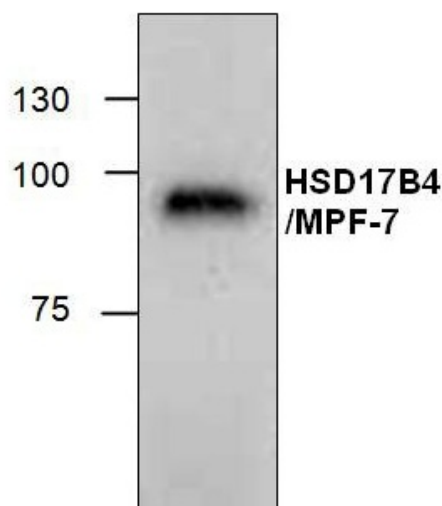
Present in many tissues with highest concentrations in liver, heart, prostate and testis

**HSD17B4/MPF-2 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 Cytometry](#)
- [Cell Culture](#)

**HSD17B4/MPF-2 Antibody - Images**



Western blot analysis of HSD17B4/MPF-2 using mouse 3T3 cell lysate.

#### **HSD17B4/MPF-2 Antibody - Background**

HSD17B4 (17-beta-hydroxysteroid dehydrogenase 4) is a bifunctional enzyme that is involved in the peroxisomal beta-oxidation pathway for fatty acids. HSD17B4 catalyze the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids.