

HSD17B4/MPF-2 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10472**Specification**

HSD17B4/MPF-2 Antibody - Product Information

Application	WB
Primary Accession	P51659
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	79686

HSD17B4/MPF-2 Antibody - Additional Information**Gene ID** 3295Positive Control
Application & Usage**Rat kidney tissue 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**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.