

**HSD17B4/MPF-2 Blocking Peptide**  
**Catalog # PBV10276b****Specification**

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**HSD17B4/MPF-2 Blocking Peptide - Product Information**

Primary Accession	<a href="#">P51659</a>
Gene ID	<b>3295</b>
Calculated MW	<b>79686</b>

**HSD17B4/MPF-2 Blocking Peptide - Additional Information****Gene ID** 3295**Application & Usage**

**The peptide is used for blocking the antibody activity of HSD17B4/MPF-2. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.**

**Other Names**

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, (3R)-hydroxyacyl-CoA dehydrogenase, 1.1.1.n12, Enoyl-CoA hydratase 2, 4.2.1.107, 4.2.1.119, 3-alpha, 7-alpha, 12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA hydratase, HSD17B4, EDH17B4

**Target/Specificity**

HSD17B4/MPF-2

**Formulation**

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

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

**HSD17B4/MPF-2 Blocking Peptide - 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 Blocking Peptide - 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 Blocking Peptide - Images**