

**Anti-HSD17B4 Antibody**  
Rabbit polyclonal antibody to HSD17B4  
Catalog # AP60180

### Specification

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#### Anti-HSD17B4 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P51659</a>
Other Accession	<a href="#">P51660</a>
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.

**Cellular Location**

Peroxisome.

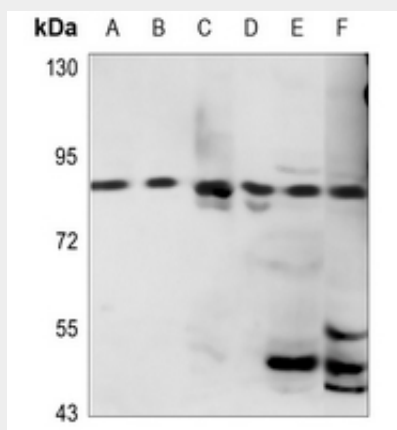
**Tissue Location**

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 Cytometry](#)
- [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.