

Recombinant HSD17B1 Monoclonal Antibody

catalog number: **AN301846L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

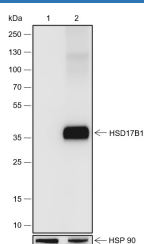
Description

Reactivity	Human;
Immunogen	Recombinant human HSD17B1 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A558
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB	1:5000-1:20000
IHC	1:1000-1:5000

Data

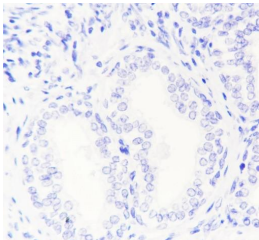


Western Blot with HSD17B1 Monoclonal Antibody at dilution of 1:20000. Lane 1: Human heart (Negative control), Lane 2: placenta using HSD17B1 Monoclonal Antibody at dilution of 1:20000.

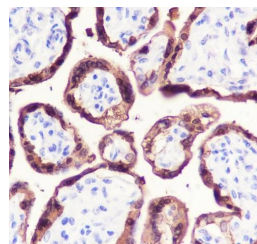
Human placenta

Observed-MW:35 kDa

Calculated-MW:35 kDa



Immunohistochemistry of paraffin-embedded Human prostate cancer(Negative tissue) using HSD17B1 Monoclonal Antibody at dilution of 1:5000.



Immunohistochemistry of paraffin-embedded Human placenta using HSD17B1 Monoclonal Antibody at dilution of 1:5000.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

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Rev. V1.1

HSD17B1 is a member of the 17 β -hydroxysteroid dehydrogenase family of short-chain dehydrogenases/reductases. It has a dual function in estrogen activation and androgen inactivation and plays a major role in establishing the estrogen E2 concentration gradient between serum and peripheral tissues. HSD17B1 catalyzes the last step in estrogen activation, using NADPH to convert estrogens E1 and E2 and androgens like 4-androstenedione, to testosterone. It has an N-terminal short-chain dehydrogenase domain with a cofactor binding site, and a narrow, hydrophobic C-terminal domain with a steroid substrate binding site. HSD17B1 is expressed primarily in the placenta and ovarian granulosa cells, and to a lesser extent, in the endometrium, adipose tissue, and prostate.