

Datasheet for ABIN3031272

anti-HSD17B2 antibody (AA 373-387)**5** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	HSD17B2
Binding Specificity:	AA 373-387
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD17B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Amino acids 373-387 (MPRALRMPNYKKKAT-human) were used as the immunogen for this HSD17B2 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	HSD17B2
Alternative Name:	HSD17B2 (HSD17B2 Products)
Background:	HSD17B2(17-beta-hydroxysteroid dehydrogenase II), also called 17-beta-HSD II, is an enzyme with 387 amino acids, a predicted molecular weight of 42,782D, and associate with the

Target Details

membranes of the endoplasmic reticulum. The type 2 enzyme is capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone. HSD17B2 mRNA was detected in 18 of 42 (43 %) adenomas but not in prolactinomas. In the human endometrium, inactivation of 17-beta-estradiol to estrone is catalyzed by HSD17B2. And it activity distinguishing between disease-free and diseased endometria. It efficiently catalyzes the oxidative metabolism of androgens and estrogens, and it is expressed in a large series of human peripheral tissues. The previous paradigm that HSD17B2 activity in the endometrium is elevated during the secretory phase is confined to diseased endometrium but not to disease-free endometrium.

UniProt: [P37059](#)

Pathways: [Steroid Hormone Biosynthesis](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the HSD17B2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µg/mL

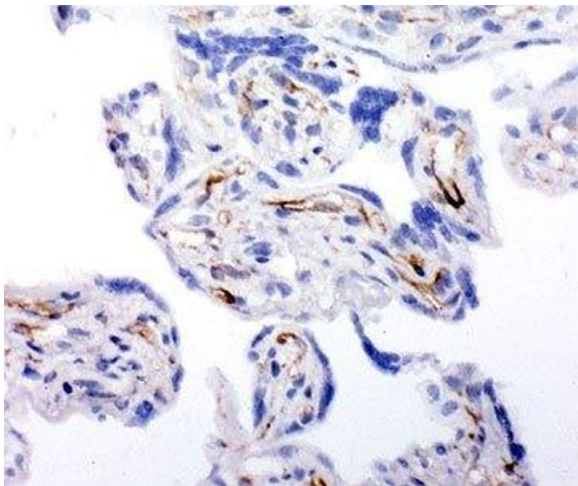
Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

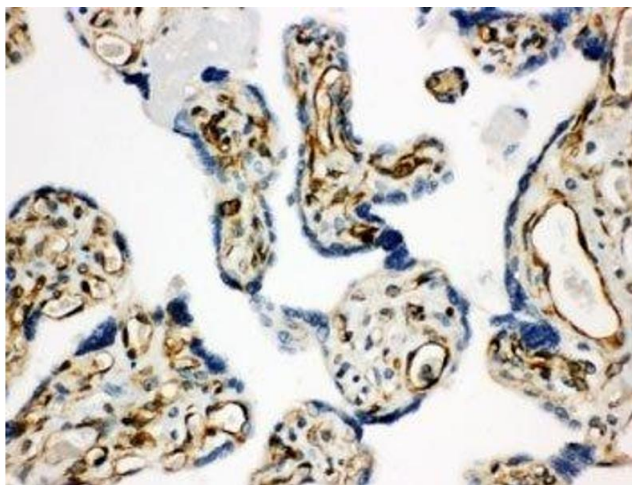
Storage: -20 °C

Storage Comment: After reconstitution, the HSD17B2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



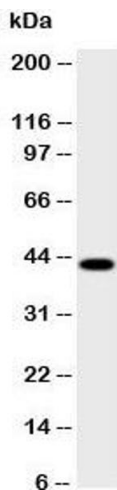
Immunohistochemistry

Image 1. IHC-F testing of human placenta tissue



Immunohistochemistry

Image 2. IHC-P: HSD17B2 antibody testing of human placenta tissue



Western Blotting

Image 3. Western blot testing of HSD17B2 antibody and human placenta lysate; Predicted size: 43KD; Observed size: 43KD

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031272.