

Datasheet for ABIN3031269
anti-HSD17B1 antibody (AA 29-43)

8 Images

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Overview

Quantity:	100 µg
Target:	HSD17B1
Binding Specificity:	AA 29-43
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD17B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 29-43 (QSFKVYATLRDLKTQ-human) were used as the immunogen for this HSD17B1 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	HSD17B1
Alternative Name:	HSD17B1 (HSD17B1 Products)
Background:	17-beta-Hydroxysteroid dehydrogenase I, also known as 17-beta-hydroxysteroid dehydrogenase or 17-ketosteroid reductase, is an enzyme that is responsible for the interconversion of

Target Details

estrone(E1) and estradiol(E2) as well as the interconversion of androstenedione and testosterone. HSD17B1 gene expression is detected in 34 of 42 (81 %) adenomas in all tumor subtypes, HSD17B2 mRNA is detected in 18 of 42(43 %) adenomas but not in prolactinomas. Human estrogenic HSD17B1 is an NADP(H)-preferring enzyme. It possesses 11- and 4-fold higher specificity toward NADP(H) over NAD(H) for oxidation and reduction, respectively, as demonstrated by kinetic studies. All four isoforms are variably expressed in human anterior pituitary adenomas, which also show HSD17B enzyme activity, suggesting that it may play an important role in regulating the local cellular levels of estradiol.

UniProt: [P14061](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the HSD17B1 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,Immunocytochemistry: 0.5-1 µg/mL

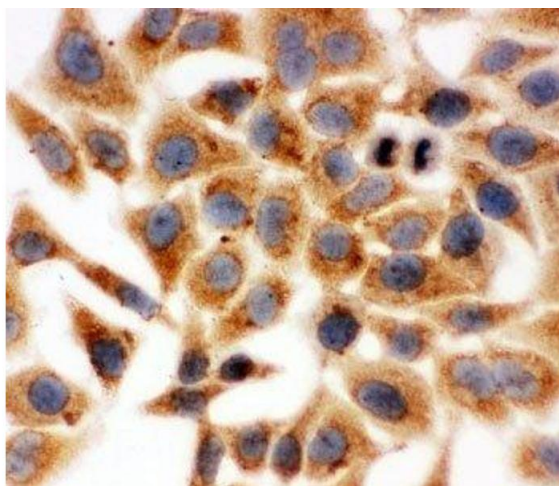
Restrictions: For Research Use only

Handling

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

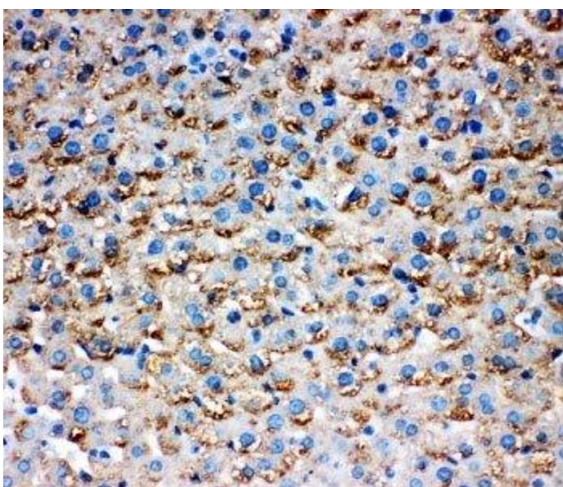
Storage: -20 °C

Storage Comment: After reconstitution, the HSD17B1 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.



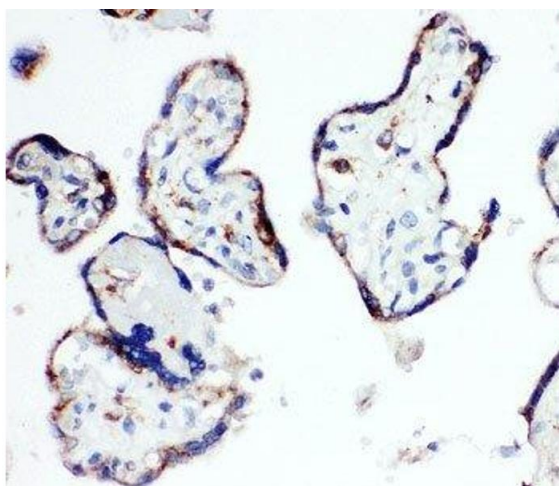
Immunocytochemistry

Image 1. ICC testing of HeLa cells



Immunohistochemistry

Image 2. IHC-P testing of rat liver tissue



Immunohistochemistry

Image 3. IHC-P: HSD17B1 antibody testing of human placenta tissue

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN3031269.