



Datasheet for ABIN2855488  
**anti-HSD3B2 antibody**



[Go to Product page](#)

8 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	HSD3B2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD3B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human HSD3B2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to HSD3B2 (hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2) HSD3B2 antibody [N3C3]
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	HSD3B2
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## Target Details

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Alternative Name: hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2 ([HSD3B2 Products](#))

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Background: The protein encoded by this gene is a bifunctional enzyme that catalyzes the oxidative conversion of delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. It plays a crucial role in the biosynthesis of all classes of hormonal steroids. This gene is predominantly expressed in the adrenals and the gonads. Mutations in this gene are associated with 3-beta-hydroxysteroid dehydrogenase, type II, deficiency. Alternatively spliced transcript variants have been found for this gene.

Cellular Localization: Endoplasmic reticulum membrane , Mitochondrion membrane

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Molecular Weight: 42 kDa

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Gene ID: 3284

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UniProt: [P26439](#)

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

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## Application Details

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Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

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Comment: Validation: Orthogonal

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1.24 mg/mL

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Buffer: 1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C,-20 °C

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Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

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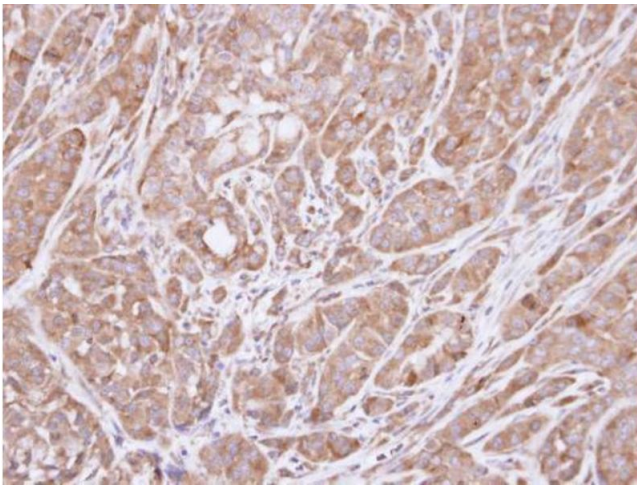
## Handling

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Publications

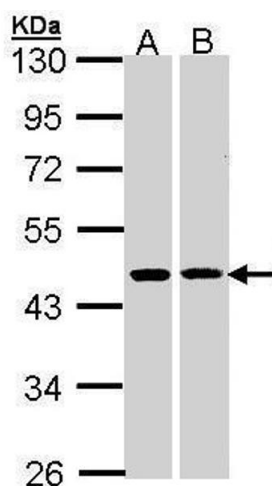
Product cited in: Qi, Liu, Zhang, Guo: "Platelets induce increased estrogen production through NF-κB and TGF-β1 signaling pathways in endometriotic stromal cells." in: **Scientific reports**, Vol. 10, Issue 1, pp. 1281, (2020) ([PubMed](#)).

## Images



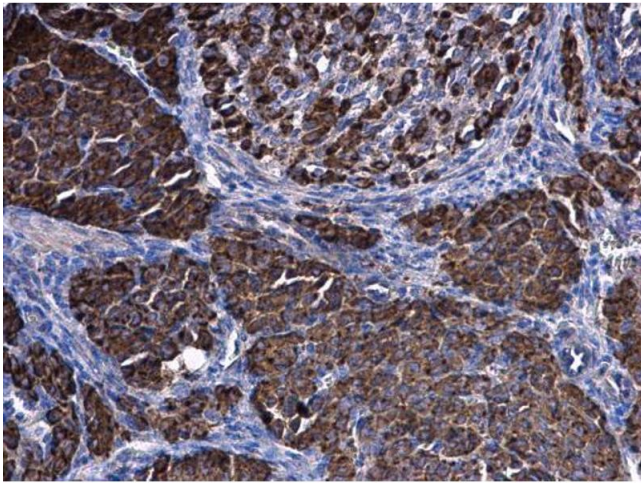
### Immunohistochemistry

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded A549 xenograft, using HSD3B2, antibody at 1:100 dilution.



### Western Blotting

**Image 2.** WB Image HSD3B2 antibody [N3C3] detects HSD3B2 protein by Western blot analysis. A. 30 µg HeLa whole cell lysate/extract B. 30 µg Raji whole cell lysate/extract 10 % SDS-PAGE HSD3B2 antibody [N3C3], dilution: 1:500



### Immunohistochemistry

**Image 3.** IHC-P Image HSD3B2 antibody [N3C3] detects HSD3B2 protein at cytoplasm on mouse ovary by immunohistochemical analysis. Sample: Paraffin-embedded mouse ovary. HSD3B2 antibody [N3C3], diluted at 1:500.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2855488.