

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

Alternative Name:	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2 ( <a href="#">HSD3B2 Products</a> )
Background:	<p>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.</p> <p>Cellular Localization: Endoplasmic reticulum membrane , Mitochondrion membrane</p>
Molecular Weight:	42 kDa
Gene ID:	3284
UniProt:	<a href="#">P26439</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Steroid Hormone Biosynthesis</a>

### Application Details

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.
Comment:	Validation: Orthogonal
Restrictions:	For Research Use only

### Handling

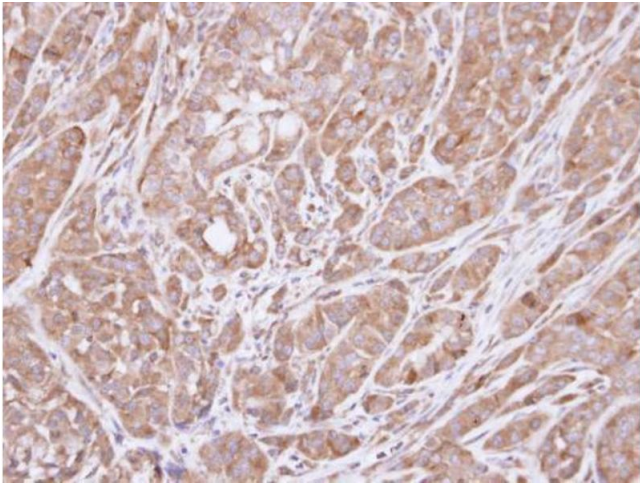
Format:	Liquid
Concentration:	1.24 mg/mL
Buffer:	1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(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

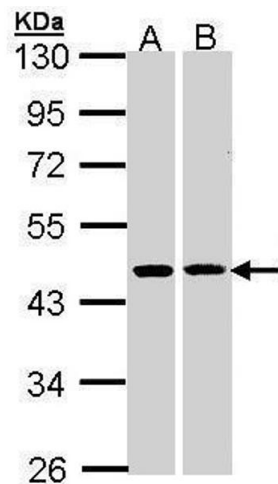
Product cited in: Qi, Liu, Zhang, Guo: "Platelets induce increased estrogen production through NF-κB and TGF-β1 signaling pathways in endometriotic stromal cells." in: **Scientific reports**, Vol. 10, Issue 1, pp. 1281, (2020) ([PubMed](#)).

Images



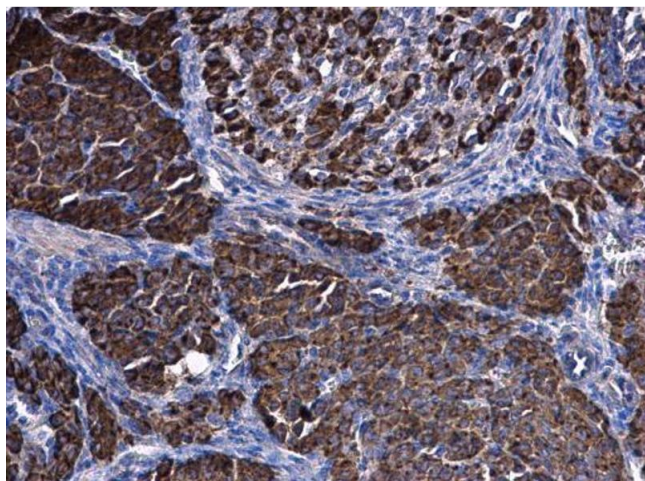
**Immunohistochemistry**

**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.