

Datasheet for ABIN6262382

anti-HSD3B2 antibody**3** Images[Go to Product page](#)

Overview

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

Product Details

Immunogen:	A synthesized peptide derived from human HSD3B2
Isotype:	IgG
Specificity:	HSD3B2 Antibody detects endogenous levels of total HSD3B2
Cross-Reactivity:	Human, Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	HSD3B2
Alternative Name:	HSD3B2 (HSD3B2 Products)

Target Details

Background: Description: 3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta5-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids.

Gene: HSD3B2

Molecular Weight: 42kDa

Gene ID: 3284

UniProt: [P26439](#)

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

Application Details

Application Notes: WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

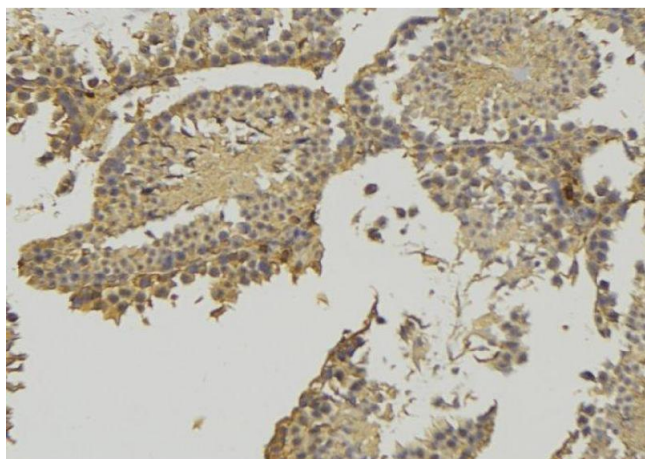
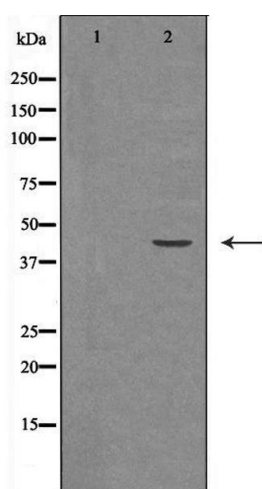
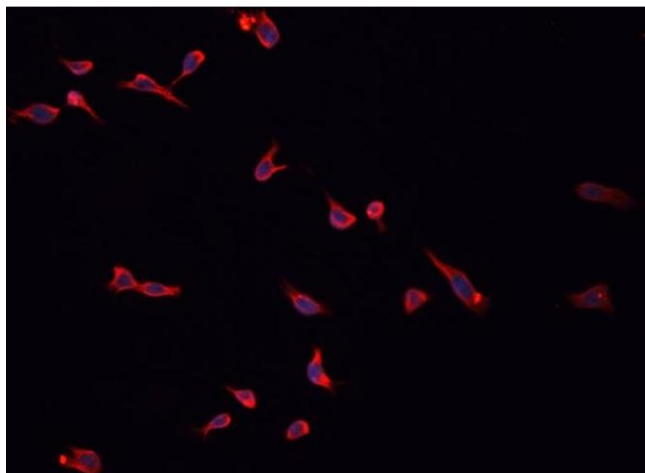
Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Store at -20 °C.Stable for 12 months from date of receipt

Expiry Date: 12 months



Immunofluorescence (fixed cells)

Image 1. ABIN6276902 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody

Western Blotting

Image 2. Western blot analysis of Hela whole cell lysates, using HSD3B2 Antibody. The lane on the left is treated with the antigen-specific peptide.

Immunohistochemistry

Image 3. ABIN6276902 at 1/100 staining RAT testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary