



[Go to Product page](#)

Datasheet for ABIN750946  
**anti-HSD3B1 antibody (Cy3)**

### Overview

Quantity:	100 µL
Target:	HSD3B1
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD3B1 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HSD3B1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	HSD3B1
Alternative Name:	Hsd3b1 ( <a href="#">HSD3B1 Products</a> )
Background:	Synonyms: 3 beta and steroid delta isomerase 1, 3 beta and steroid hydroxy delta 5 steroid dehydrogenase, 3 beta HSD I, 3BH, 3BHSD, HGNC:5217, HSD3B, HSD3B1, HSDB3, HSDB3A, Hydroxy delta 5 steroid dehydrogenase 3 beta and steroid delta isomerase 1, Hydroxy delta 5 steroid dehydrogenase, trophoblast antigen.

## Target Details

---

Background: HSD3B1 (3-beta hydroxysteroid dehydrogenase) is a bifunctional enzyme that catalyzes the oxidative conversion of Delta(5)-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. There are two HSD3B1 proteins, type I and type II. Expressed by different genes, they function in different areas of the body. HSD3B1 has been shown to be a highly specific and sensitive trophoblast-associated marker.

Gene ID: 3283

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [C21-Steroid Hormone Metabolic Process](#), [Carbohydrate Homeostasis](#)

## Application Details

---

Application Notes: IF(IHC-P)(1:50-200)

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months