

Datasheet for ABIN901384

**anti-HSD3B1 antibody (AbBy Fluor® 555)**[Go to Product page](#)

## Overview

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                          |
| Target:      | HSD3B1                                                                          |
| Reactivity:  | Human, Rat, Mouse                                                               |
| Host:        | Rabbit                                                                          |
| Clonality:   | Polyclonal                                                                      |
| Conjugate:   | This HSD3B1 antibody is conjugated to AbBy Fluor® 555                           |
| 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: | <a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Steroid Hormone Biosynthesis</a> , <a href="#">C21-Steroid Hormone Metabolic Process</a> , <a href="#">Carbohydrate Homeostasis</a> |

## 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                                                                                                               |