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Datasheet for ABIN7142285  
**anti-HSD3B1 antibody (AA 127-267) (Biotin)**

### Overview

Quantity:	100 µg
Target:	HSD3B1
Binding Specificity:	AA 127-267
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD3B1 antibody is conjugated to Biotin
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1 protein (127-267AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	HSD3B1
Alternative Name:	HSD3B1 ( <a href="#">HSD3B1 Products</a> )
Background:	Background: 3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of

## Target Details

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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. Efficiently catalyzes the transformation of pregnenolone to progesterone, 17-alpha-hydroxypregnenolone to 17-alpha-hydroxyprogesterone, DHEA to 4-androstenedione, dihydrotestosterone to 5-alpha-androstane-3 beta,17 beta-diol, dehydroepiandrosterone to androstenedione and 5-alpha-androstan-3 beta,17 beta-diol to 5-alpha-dihydrotestosterone. Aliases: 3 beta and steroid delta isomerase 1 antibody, 3 beta and steroid hydroxy delta 5 steroid dehydrogenase antibody, 3 beta HSD I antibody, 3 beta-hydroxysteroid dehydrogenase/Delta 5->4-isomerase type I antibody, 3-beta-HSD I antibody, 3-beta-hydroxy-5-ene steroid dehydrogenase antibody, 3BETAHSD antibody, 3BH antibody, 3BHS1\_HUMAN antibody, 3BHSD antibody, Delta-5-3-ketosteroid isomerase antibody, HGNC:5217 antibody, HSD3B antibody, HSD3B1 antibody, HSDB3 antibody, HSDB3A antibody, Hydroxy delta 5 steroid dehydrogenase 3 beta and steroid delta isomerase 1 antibody, Hydroxy delta 5 steroid dehydrogenase antibody, Progesterone reductase antibody, SDR11E1 antibody, Steroid Delta-isomerase antibody, trophoblast antigen antibody, Trophoblast antigen FDO161G antibody

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UniProt: [P14060](#)

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

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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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: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.