

Datasheet for ABIN5535214  
**anti-HSD3B1 antibody (N-Term)**

## 3 Images

[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	HSD3B1
Binding Specificity:	AA 26-55, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD3B1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This HSD3B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the N-terminal region of human HSD3B1.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	HSD3B1
Alternative Name:	HSD3B1 ( <a href="#">HSD3B1 Products</a> )
Background:	3-beta-HSD 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. Efficiently

## Target Details

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.

Molecular Weight: 42 kDa

Gene ID: 3283

UniProt: [P14060](#)

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

## Application Details

Application Notes: For WB starting dilution is: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.5 mg/mL

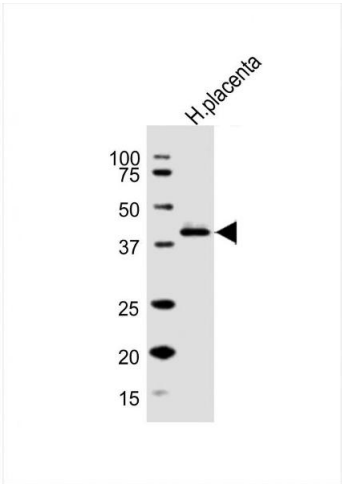
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

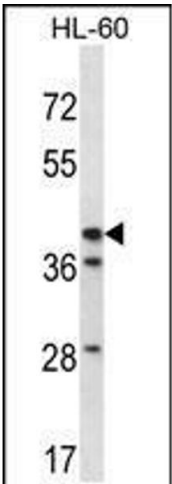
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



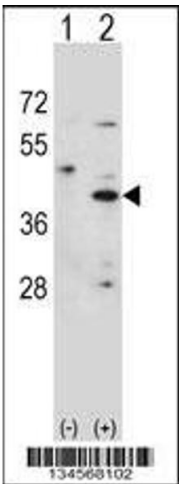
Western Blotting

**Image 1.** Western Blot at 1:1000 dilution + human placenta lysate Lysates/proteins at 20 ug per lane.



Western Blotting

**Image 2.** Western blot analysis in HL-60 cell line lysates (35ug/lane).



Western Blotting

**Image 3.** Western blot analysis of HSD3B1 using rabbit polyclonal HSD3B1 Antibody using 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HSD3B1 gene.