

Datasheet for ABIN6258713  
**anti-HSD3B7 antibody (Internal Region)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	HSD3B7
Binding Specificity:	Internal Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD3B7 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human HSD3B7, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	HSD3B7 Antibody detects endogenous levels of total HSD3B7.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	HSD3B7
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## Target Details

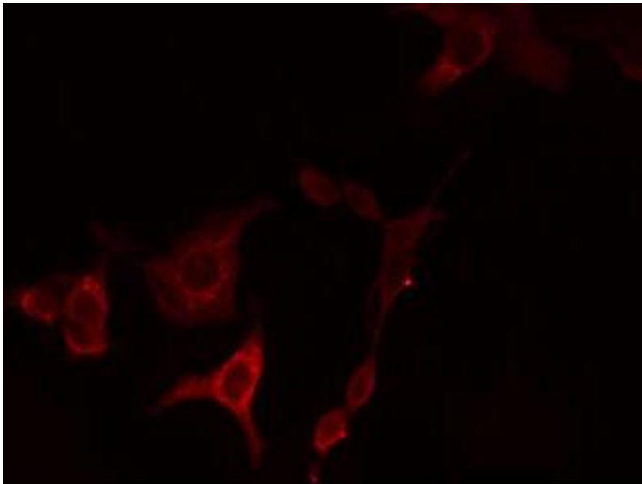
Alternative Name:	HSD3B7 ( <a href="#">HSD3B7 Products</a> )
Background:	<p>Description: The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. HSD VII is active against four 7-alpha-hydroxylated sterols. Does not metabolize several different C(19/21) steroids as substrates. Involved in bile acid synthesis (PubMed:11067870). Plays a key role in cell positioning and movement in lymphoid tissues by mediating degradation of 7-alpha,25-dihydroxycholesterol (7-alpha,25-OHC): 7-alpha,25-OHC acts as a ligand for the G protein-coupled receptor GPR183/EBI2, a chemotactic receptor for a number of lymphoid cells.</p> <p>Gene: HSD3B7</p>
Molecular Weight:	41 kDa
Gene ID:	80270
UniProt:	<a href="#">Q9H2F3</a>

## Application Details

Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

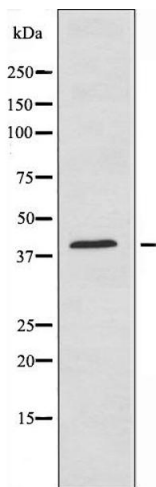
## Handling

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



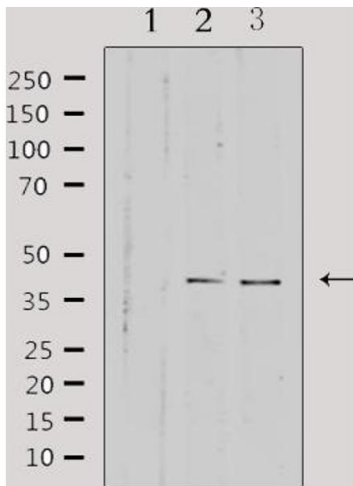
#### Immunofluorescence (fixed cells)

**Image 1.** ABIN6274724 staining HeLa 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 extracts from HeLa cells using HSD3B7 antibody.



#### Western Blotting

**Image 3.** Western blot analysis of extracts from various samples, using HSD3B7 Antibody. Lane 1: 293 treated with blocking peptide; Lane 2: 293; Lane 3: HepG2;