

Datasheet for ABIN2777011
anti-HSD3B1 antibody (N-Term)[Go to Product page](#)

3 Images

1 Publication

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | HSD3B1 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Rat, Pig, Sheep, Cow, Goat, Horse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HSD3B1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human HSD3B1 |
| Sequence: | TGWSCLVTGA GGFLGQRIIR LLVKEKELKE IRVLDKAFGP ELREEFSKLQ |
| Predicted Reactivity: | Cow: 79%, Goat: 82%, Horse: 79%, Human: 100%, Pig: 79%, Rat: 79%, Sheep: 79% |
| Characteristics: | This is a rabbit polyclonal antibody against HSD3B1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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| Target: | HSD3B1 |
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Target Details

| | |
|-------------------|---|
| Alternative Name: | HSD3B1 (HSD3B1 Products) |
| Background: | <p>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.</p> <p>Alias Symbols: HSD3B, HSDB3, I, HSDB3A, SDR11E1, 3BETAHSD</p> <p>Protein Size: 373</p> |
| Molecular Weight: | 42 kDa |
| Gene ID: | 3283 |
| NCBI Accession: | NM_000862 , NP_000853 |
| UniProt: | P14060 |
| Pathways: | Metabolism of Steroid Hormones and Vitamin D , Steroid Hormone Biosynthesis , C21-Steroid Hormone Metabolic Process , Carbohydrate Homeostasis |

Application Details

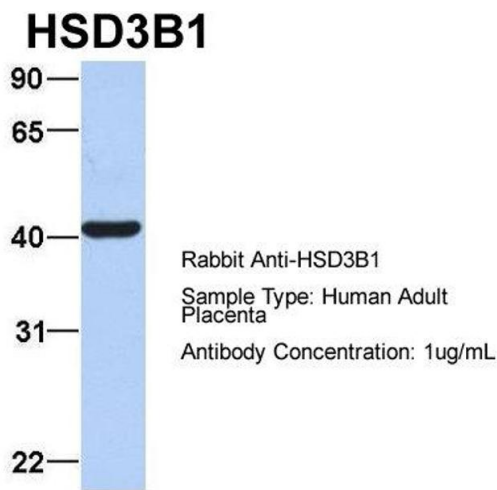
| | |
|--------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 373 AA |
| Restrictions: | For Research Use only |

Handling

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|--------------------|---|
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

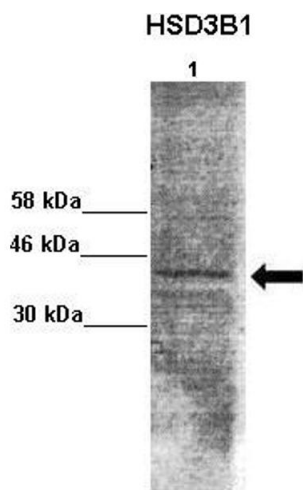
Product cited in: Coyne, Gambling, Boucher, Carson, Johnson: "Role of claudin interactions in airway tight junctional permeability." in: **American journal of physiology. Lung cellular and molecular physiology**, Vol. 285, Issue 5, pp. L1166-78, (2003) ([PubMed](#)).

Validation report #102749 for Immunohistochemistry (IHC)



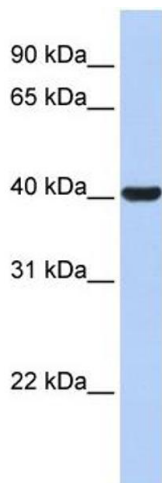
Western Blotting

Image 1. Host: Rabbit Target Name: HSD3B1 Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml



Western Blotting

Image 2. Lanes : Lane 1: 50ug monkey brain extract Primary Antibody Dilution : 1:1000 Secondary Antibody : Goat anti rabbit-HRP Secondary Antibody Dilution : 1:10,000 Gene Name : HSD3B1 Submitted by : Jonathan Bertin, Endoceutics Inc.



Western Blotting

Image 3. WB Suggested Anti-HSD3B1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Placenta