# ARG63931
# anti-HSD3B1 antibody

Package: 100 µg
Store at: -20°C

## Summary

| | |
|---|---|
| Product Description | Goat Polyclonal antibody recognizes HSD3B1 |
| Tested Reactivity | Hu |
| Tested Application | IHC-P, WB |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | HSD3B1 |
| Species | Human |
| Immunogen | C-DRHKETLKSKTQ |
| Conjugation | Un-conjugated |
| Alternate Names | 3BETAHSD; Trophoblast antigen FDO161G; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type I; Delta-5-3-ketosteroid isomerase; 3-beta-HSD I; I; EC 1.1.1.145; 3-beta-hydroxy-5-ene steroid dehydrogenase; EC 5.3.3.1; HSDB3; HSD3B; 5; Progesterone reductase; SDR11E1; HSDB3A; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| IHC-P | 3 - 5 µg/ml |
| WB | 0.003 - 0.01 µg/ml |

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed |

| | |
|---|---|
| | before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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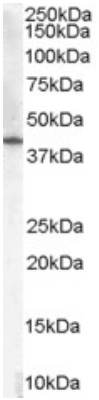
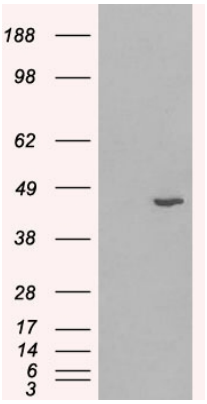
|---|---|
| Database links | GeneID: 3283 Human<br><br>Swiss-port # P14060 Human |
| Gene Symbol | HSD3B1 |
| Gene Full Name | hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 |
| Function | 3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy 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 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. [UniProt] |
| Research Area | Cancer antibody; Metabolism antibody; Signaling Transduction antibody |
| Calculated Mw | 42 kDa |

## Images



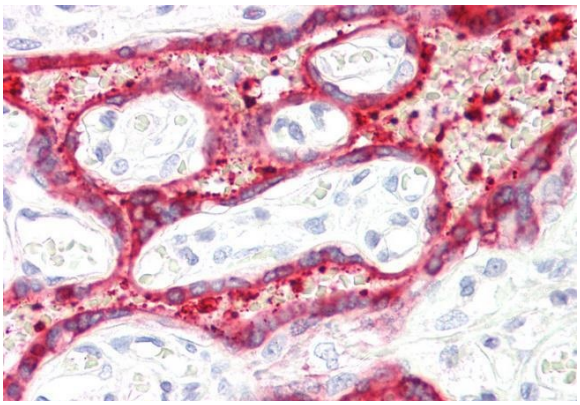

ARG63931 anti-HSD3B1 antibody WB image

Western Blot: Human Placenta lysate (35 µg protein in RIPA buffer) stained with ARG63931 anti-HSD3B1 antibody at 0.01 µg/ml dilution.



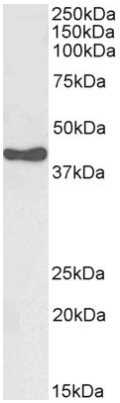

ARG63931 anti-HSD3B1 antibody WB image

Western Blot: 1). Mock transfection; 2) Human HSD3B1 (RC204497) expressing plasmid transfected HEK293 cell lysate standed with ARG63931 anti-HSD3B1 antibody



ARG63931 anti-HSD3B1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63931 anti-HSD3B1 antibody at 3.75 µg/ml dilution followed by AP-staining.




ARG63931 anti-HSD3B1 antibody WB image

Western blot: 35 µg of Human adrenal gland lysate (in RIPA buffer) stained with ARG63931 anti-HSD3B1 antibody at 0.003 µg/ml dilution and incubated at RT for 1 hour.