



# Anti-HSD3B1 (full length) polyclonal antibody (DPAB-DC1612)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| <b>Antigen Description</b> | HSD3B1 (hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1) is a protein-coding gene. Diseases associated with HSD3B1 include heel spur, and adrenal gland hyperfunction, and among its related super-pathways are Glucocorticoid biosynthesis and Metabolic pathways. GO annotations related to this gene include steroid delta-isomerase activity and nucleotide binding. An important paralog of this gene is HSD3B2.                                                                              |
| <b>Immunogen</b>           | HSD3B1 (AAH31999.1, 1 a.a. ~ 373 a.a) full-length recombinant protein with GST tag.<br>The sequence is<br>MTGWSCLV TGAGGFLGQRIIRLLVKEKELKEIRVLDKAFGP ELREEFSKLQNKTCLTVLE<br>GDILDEPFLKRACQDVS VIIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASVPVF<br>IYTSSIEVAGPNSYKEIIQNGHEEEPLENTWPAPYPH SKKLAEKAVLAANGWNLKNGGTL<br>YTCALRP MYIYGEGSRFLSASINEALN NNGILSSVGKFSTVNPVYVG NVAWAHILALRAL<br>QDPKKAPSIRGQFYIISDDTPHQSYDNLNYTLSKEFGLRLDSRWSFPLSLMYWIGFLLLEI<br>VSFLLRPIYTYRPPFNRHIVTLSNSVFTFSYKKAQRDLAYKPLYSWEEAKQKTVEWVGSL<br>VDRHKENLKSQTQ |
| <b>Source/Host</b>         | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>        | ELISA,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Size</b>                | 50 µl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Buffer</b>              | 50 % glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Preservative</b>        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

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| <b>Gene Name</b>           | <a href="#">HSD3B1 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 [ Homo sapiens (human) ]</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>     | HSD3B1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | HSD3B1; hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1; I; HSD3B; HSDB3; HSDB3A; SDR11E1; 3BETAHSD; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1; 3-beta-HSD I; progesterone reductase; steroid Delta-isomerase; trophoblast antigen FDO161G; delta-5-3-ketosteroid isomerase; 3-beta-hydroxy-5-ene steroid dehydrogenase; 3-beta-hydroxy-Delta(5)-steroid dehydrogenase; short chain dehydrogenase/reductase family 11E, member 1; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type I; hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1; |
| <b>Entrez Gene ID</b>      | <a href="#">3283</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | <a href="#">NP_000853</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          | <a href="#">P14060</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Chromosome Location</b> | 1p13.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Pathway</b>             | Androgen biosynthesis; androstenedione => C19/C18-Steroid hormone biosynthesis, pregnenolone => estrone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Function</b>            | 3-beta-hydroxy-delta5-steroid dehydrogenase activity; steroid delta-isomerase activity;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |