

DNAxPAb

Hard-to-Find  
Antibody

## HSD3B7 DNAxPAb

Catalog # H00080270-W01P

Size 200 ug

### Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human HSD3B7 DNA using DNAx™ Immune technology.
Technology	<a href="#">DNAx™ Immune</a>
Immunogen	Full-length human DNA
Sequence	MADSAQAQKLVLVTGGCGFLGEHVVRMLLQREPRLGELRVFDQHLGPWLEELKTGPVRVTAIQ GDVTQAHEVAAAVAGAHVVIHTAGLVDVFGRASPKTIHEVNVQGTRNVIEACVQTGTRFLVYTSS MEVVGPNTKGHPFYRGNEPTPYEAVHRHPYPCSKALAEWLVLLEANGRKVRGGLPLVTCALRPT GIYGEHQIMRDFYRQGLRLGGWLFRAIPASVEHGRVYVGNVAMHVLAAARELEQRATLMGGQV YFCYDGSPPYRSYEDFNMEFLGPCGLRLVGARPLLPYWLLVFLAALNALLQWLLRPLVLYAPLLNP YTLAVANTTFTVSTDKAQRHFGYEPLFSWEDSRTRTILWVQAATGSAQ
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — HSD3B7

Entrez GeneID [80270](#)

GeneBank Accession# [NM\\_025193.2](#)

Protein Accession# [NP\\_079469.2](#)

Gene Name HSD3B7

Gene Alias PFIC4, SDR11E3

Gene Description hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7

Omim ID [607764](#) [607765](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes an enzyme which is involved in the initial stages of the synthesis of bile acids from cholesterol and a member of the short-chain dehydrogenase/reductase superfamily. The encoded protein is a membrane-associated endoplasmic reticulum protein which is active against 7-alpha hydroxylated sterol substrates. Mutations in this gene are associated with a congenital bile acid synthesis defect which leads to neonatal cholestasis, a form of progressive liver disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations** 3 beta-hydroxy-delta 5-C27-steroid oxidoreductase|3 beta-hydroxysteroid dehydrogenase type VII|3-beta-HSD VII|C(27)-3BETA-HSD|short chain dehydrogenase/reductase family 11E, member 3

## Pathway

- [Metabolic pathways](#)
- [Primary bile acid biosynthesis](#)