

Product datasheet for **TA339548**

HSD3B7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HSD3B7 antibody: synthetic peptide directed towards the middle region of human HSD3B7. Synthetic peptide located within the following region: QGTRNVIEACVQTGTRFLVYTSSMEVVGPNKKGHPFYRGNEDTPYEAVHR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7
Database Link:	NP_079469 Entrez Gene 80270 Human Q9H2F3



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Background: 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.

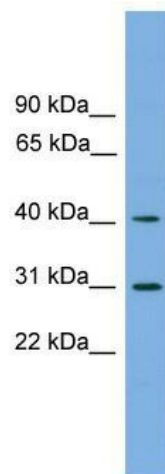
Synonyms: CBAS1; PFIC4; SDR11E3

Note: Immunogen Sequence Homology: Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Dog: 93%; Pig: 93%; Guinea pig: 93%; Bovine: 86%

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, Primary bile acid biosynthesis

Product images:



WB Suggested Anti-HSD3B7 Antibody Titration:
0.2-1 ug/ml; Positive Control: OVCAR-3 cell lysate