SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HSD3B7 antibody

Catalog Number: SL2366R

FOR RESEARCH USE ONLY

[DATASHEET]

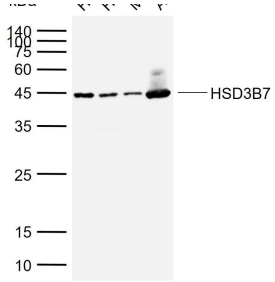
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HSD3B7
Immunogen:	KLH conjugated synthetic peptide derived from human HSD3B7: 281-369/369
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Rat, (predicted: Mouse, Pig, Cow, Rabbit)
Predicted MW.:	41kDa
Subcellular Location:	cytoplasmic The cell membrane
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 hydrosylated 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, Dec 2008]. **Function:** The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. HSD VII is active against four 7-alpha-hydroxylated sterols. Does not metabolize several different C(19/21) steroids as substrates. Involved in bile acid synthesis. **Subcellular Location:** Endoplasmic reticulum membrane; Multi-pass

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	membrane protein. **Tissue Specificity:** High levels in liver and lung, moderate levels in spleen, brain, heart, kidney, jejunum and testis. Up-regulated in 3Y1 cells upon growth arrest. DISEASE: Defects in HSD3B7 are the cause of congenital bile acid synthesis defect type 1 (CBAS1) [MIM:607765]; also known as neonatal progressive intrahepatic cholestasis. CBAS1 is due to a primary defect in bile synthesis leading to progressive liver disease. Clinical features include neonatal jaundice, severe intrahepatic cholestasis and cirrhosis. **Similarity:** Belongs to the 3-beta-HSD family. **Database links:** **Entrez Gene:** 80270 Human **Entrez Gene:** 101502 Mouse Omim: 607764 Human **SwissProt:** Q9H2F3 Human **SwissProt:** Q9EQC1 Mouse

[VALIDATION IMAGES]



Sample:
Lane 1: Human HeLa cell lysates
Lane 2: Human HepG2 cell lysates
Lane 3: Human MCF-7 cell lysates
Lane 4: Human A549 cell lysates
Primary: Anti-HSD3B7 (SL2366R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 41 kDa
Observed band size: 45 kDa

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