

Product datasheet for **TA350067**

HSD3B7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Skov3 cells IHC: 50-200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human HSD3B7
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
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 101502 Mouse Entrez Gene 246211 Rat Entrez Gene 80270 Human Q9H2F3



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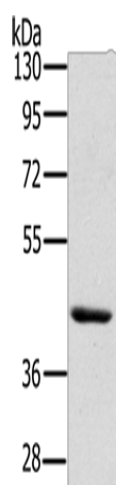
Background: This gene encodes an enzyme which is involved in the initial stages of the synthesis of bile acids from cholesterol and a member of the short-chain dehydrogenase/reductase superfamily. The encoded protein is a membrane-associated endoplasmic reticulum protein which is active against 7- α 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

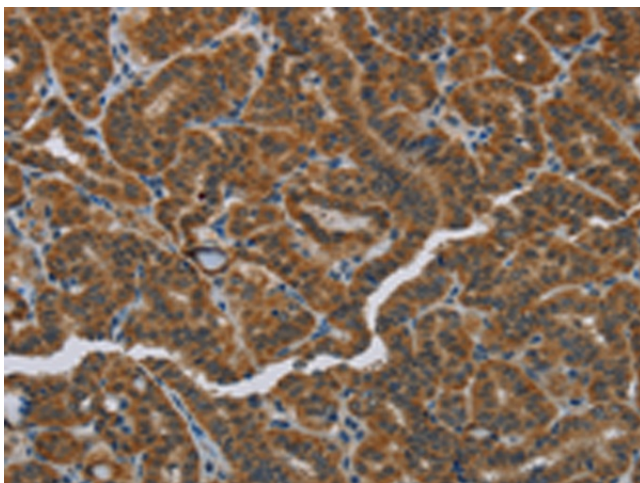
Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, Primary bile acid biosynthesis

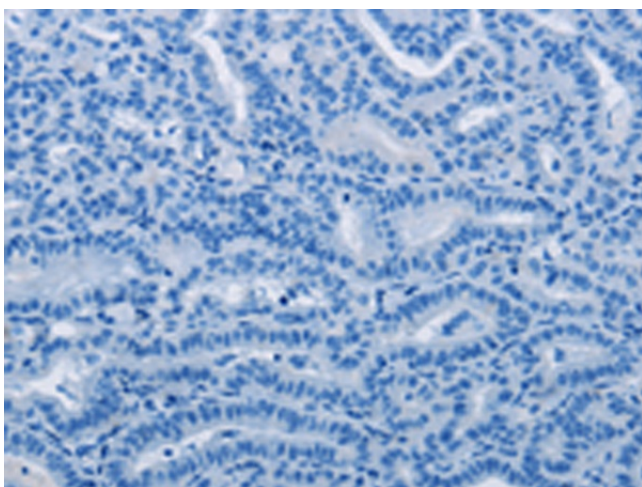
Product images:



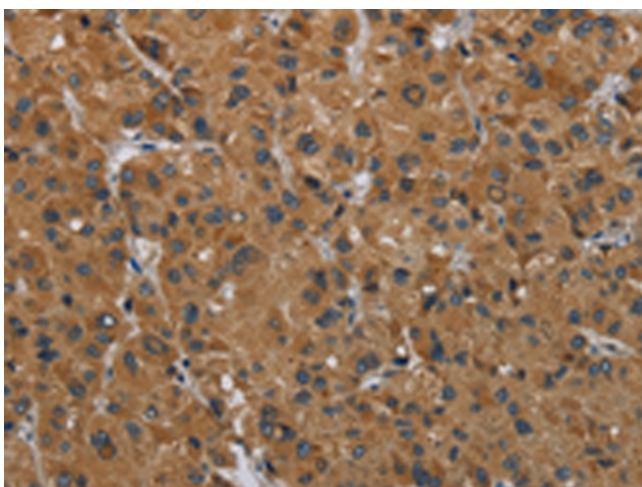
Gel: 8%SDS-PAGE
Lysate: 40 μ g
Lane: Skov3 cells
Primary antibody: TA350067 (HSD3B7 Antibody) at dilution 1/400
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 10 seconds



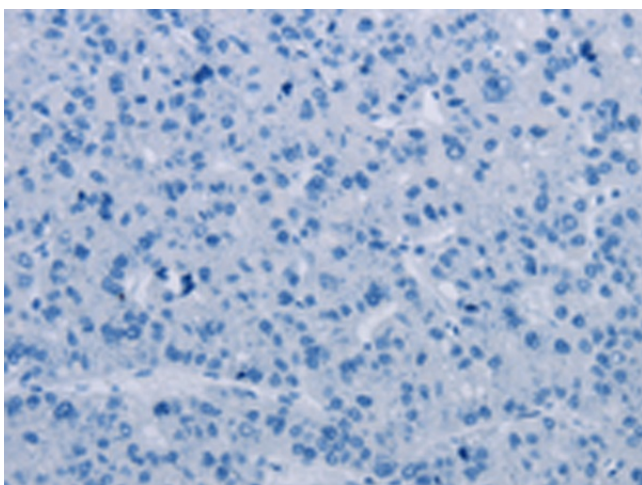
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA350067 (HSD3B7 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA350067 (HSD3B7 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350067 (HSD3B7 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350067 (HSD3B7 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)