

Product datasheet for **TA349701S**

BAAT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human normal liver and mouse pancreas tissue IHC: 25-100 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human BAAT
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
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:	46 kDa
Gene Name:	bile acid-CoA:amino acid N-acyltransferase
Database Link:	NP_001692 Entrez Gene 12012 Mouse Entrez Gene 570 Human Q14032

Background: The protein encoded by this gene is a liver enzyme that catalyzes the transfer of C24 bile acids from the acyl-CoA thioester to either glycine or taurine, the second step in the formation of bile acid-amino acid conjugates. The bile acid conjugates then act as a detergent in the gastrointestinal tract, which enhances lipid and fat-soluble vitamin absorption. Defects in this gene are a cause of familial hypercholanemia (FHCA). Two transcript variants encoding the same protein have been found for this gene.

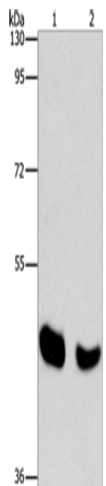


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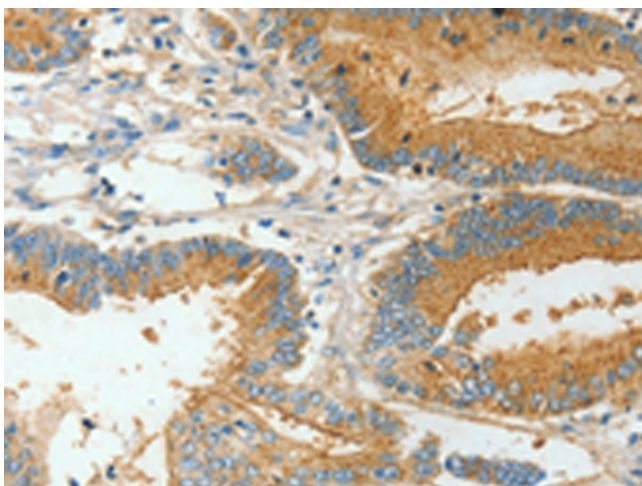
Synonyms: BACAT; BAT

Protein Pathways: Biosynthesis of unsaturated fatty acids, Metabolic pathways, Primary bile acid biosynthesis, Taurine and hypotaurine metabolism

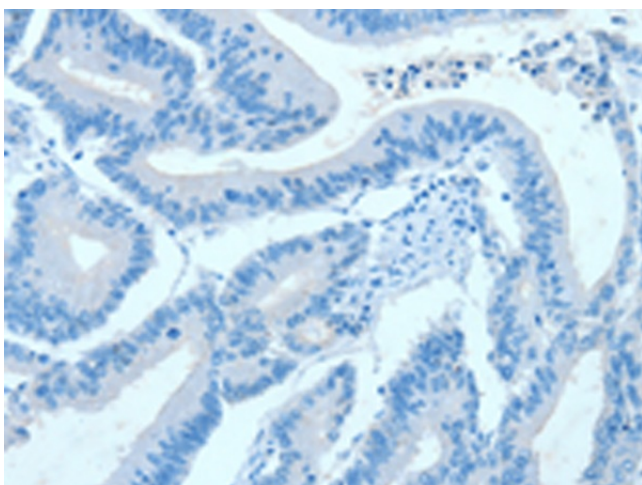
Product images:



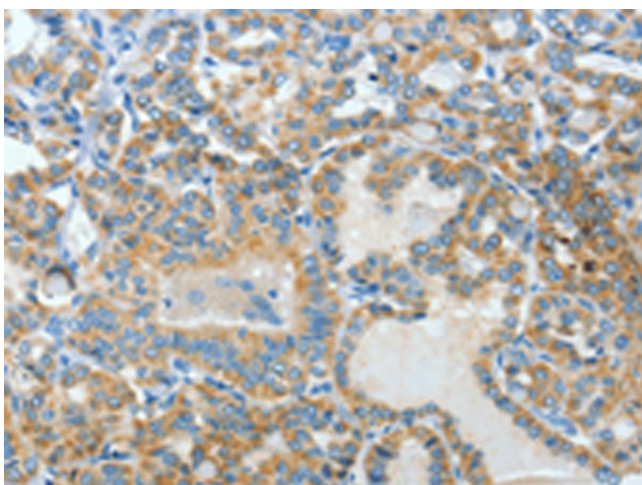
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-2: Human normal liver tissue
mouse pancreas tissue
Primary antibody: [TA349701] (BAAT Antibody) at
dilution 1/650
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 10 seconds



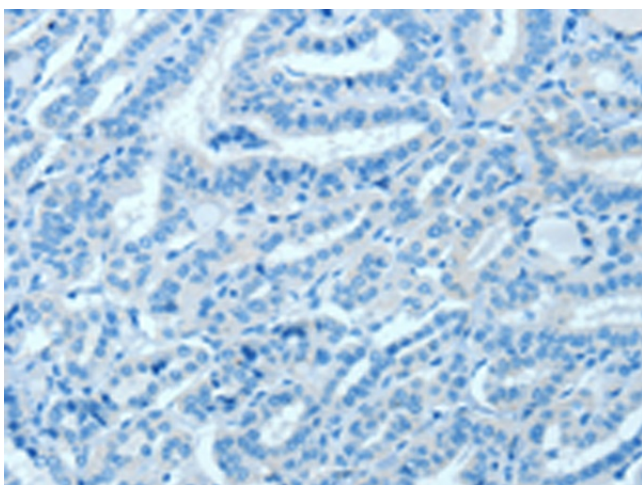
Immunohistochemistry of paraffin-embedded
Human colon cancer tissue using [TA349701]
(BAAT Antibody) at dilution 1/30 (Original
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA349701] (BAAT Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349701] (BAAT Antibody) at dilution 1/30 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349701] (BAAT Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: $\times 200$)