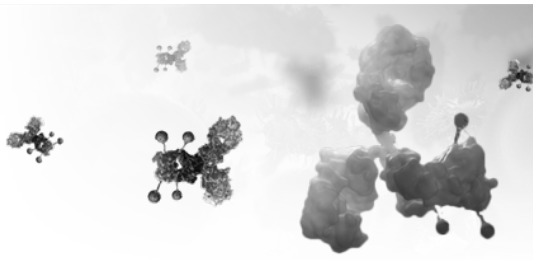

# Mouse anti-Human BAAT monoclonal antibody, clone 6C7 (CABT-B9830)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Immunogen** | BAAT (NP_001692, 258 a.a. ~ 356 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 6C7 |
| **Conjugate** | Unconjugated |
| **Applications** | WB,sELISA,ELISA |
| **Sequence Similarities** | NGTNFPFGIPQVYHGQIHQPLPHSAQLISTNALGLLELYRTFETTQVGASQYLFPIEEAQ GQFLFIVGEGDKTINSKAHAEQAIGQLKRHGKNNWTLL* |
| **Format** | Liquid |
| **Size** | 100 µg |
| **Buffer** | In 1x PBS, pH 7.2 |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## BACKGROUND

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| **Introduction** | 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 |

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|---|---|
| | 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. [provided by RefSeq, Jul 2008] |
| **Keywords** | BAAT; bile acid CoA:amino acid N-acyltransferase; BAT; BACAT; bile acid-CoA:amino acid N-acyltransferase; long-chain fatty-acyl-CoA hydrolase; bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase); bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase); |

# GENE INFORMATION

| | |
|---|---|
| **Entrez Gene ID** | 570 |
| **UniProt ID** | Q14032 |
| **Pathway** | Bile acid and bile salt metabolism, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Metabolic pathways, organism-specific biosystem |
| **Function** | N-acyltransferase activity; acyltransferase activity; acyltransferase activity; carboxylesterase activity; glycine N-choloyltransferase activity; hydrolase activity; palmitoyl-CoA hydrolase activity; thiolester hydrolase activity; transferase activity |

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