

Rabbit anti-Human, Mouse BAAT Polyclonal Antibody | anti-BAAT antibody

BAAT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327873	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

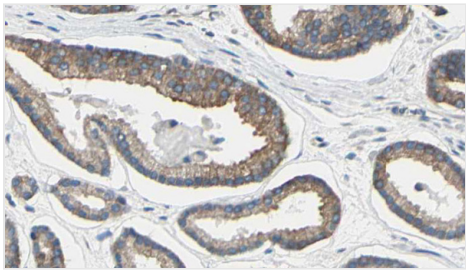
PRODUCT SYNONYMS

BAAT; Polyclonal Antibody; BAAT Antibody; FLJ20300; BAAT_HUMAN; BACAT; BAT; Bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase); Bile acid CoA:amino acid N acyltransferase; Bile acid Coenzyme A amino acid N acyltransferase glycine N choloyltransferase; Bile acid Coenzyme A: amino acid N acyltransferase; Bile acid-CoA:amino acid N-acyltransferase; Glycine N choloyltransferase; Glycine N-choloyltransferase; Long chain fatty acyl CoA hydrolase; Long-chain fatty-acyl-CoA hydrolase; MGC104432; anti-BAAT antibody

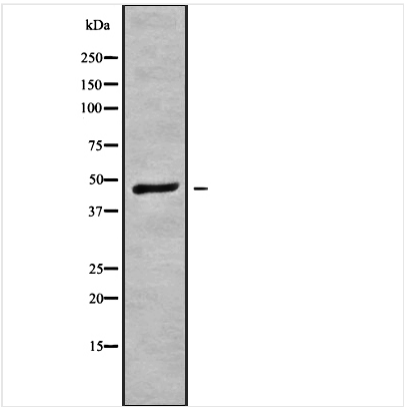
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	BAAT antibody detects endogenous levels of total BAAT
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	418
Applicable Applications for anti-BAAT antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BAAT
Subcellular Location	Cytoplasm.
Tissue Specificity	Expressed in liver, gallbladder mucosa and pancreas.
Predicted Cross Reactivity	Horse, Dog
Similarity	Horse (91%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327873 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of BAAT using LOVO whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-BAAT antibody	Function: Involved in bile acid metabolism. In liver hepatocytes catalyzes the second step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi. The major components of bile are cholic acid and chenodeoxycholic acid. In a first step the bile acids are converted to an acyl-CoA thioester, either in peroxisomes (primary bile acids deriving from the cholesterol pathway), or cytoplasmic at the endoplasmic reticulum (secondary bile acids). May catalyze the conjugation of primary or secondary bile acids, or both. The conjugation increases the detergent properties of bile acids in the intestine, which facilitates lipid and fat-soluble vitamin absorption. In turn, bile acids are deconjugated by bacteria in the intestine and are recycled back to the liver for reconjugation (secondary bile acids). May also act as an acyl-CoA thioesterase that regulates intracellular levels of free fatty acids. In vitro, catalyzes the hydrolysis of long-and very long-chain saturated acyl-CoAs to the free fatty acid and coenzyme A (CoASH), and conjugates glycine to these acyl-CoAs. Subunit Structure: Monomer. Similarity: Belongs to the C/M/P thioester hydrolase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189083866
NCBI GeneID	570
NCBI Accession #	NP_001121082.1
NCBI GenBank Nucleotide #	NM_001127610.1
UniProt Accession #	Q14032; Q3B7W9; Q96L31
Molecular Weight	Observed: 46 kDa Predicted: 47 kDa
NCBI Official Full Name	bile acid-CoA:amino acid N-acyltransferase
NCBI Official Synonym Full Names	bile acid-CoA:amino acid N-acyltransferase
NCBI Official Symbol	BAAT
NCBI Official Synonym Symbols	BAT; BACAT
NCBI Protein Information	bile acid-CoA:amino acid N-acyltransferase
UniProt Protein Name	Bile acid-CoA:amino acid N-acyltransferase
UniProt Gene Name	BAAT
UniProt Synonym Gene Names	BACAT1 PublicationManual assertion based on opinion iniRef.8; BAT1 PublicationManual assertion based on opinion iniRef.1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/baat-antibody-immunohistochemistry-western-blot-elisa/327873>