

DATASHEET

BAAT Rabbit Polyclonal Antibody

CAT. NO. APA13327

KEY FEATURES

Target	BAAT	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Catalyzes the amidation of bile acids (BAs) with the amino acids taurine and glycine with the amino acids taurine and glycine . More than 95% of the BAs are N-acyl amidates with glycine and taurine . Amidation of BAs in the liver with glycine or taurine prior to their excretion into bile is an important biochemical event in bile acid metabolism . This conjugation (or amidation) plays several important biological roles in that it promotes the secretion of BAs and cholesterol into bile and increases the detergent properties of BAs in the intestine, which facilitates lipid and vitamin absorption . May also act as an acyl-CoA thioesterase that regulates intracellular levels of free fatty acids .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to BAAT
Specificity	Recognizes endogenous levels of BAAT protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human BAAT
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 46 kD; Observed: 40-46 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Bile acid-CoA:amino acid N-acyltransferase; BACAT; BAT; Glycine N-choloyltransferase; Long-chain fatty-acyl-CoA hydrolase
Gene Symbol	BAAT
Entrez Gene	570(Human); 12012(Mouse); 29725(Rat)
SwissProt	Q14032(Human); Q91X34(Mouse); Q63276(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

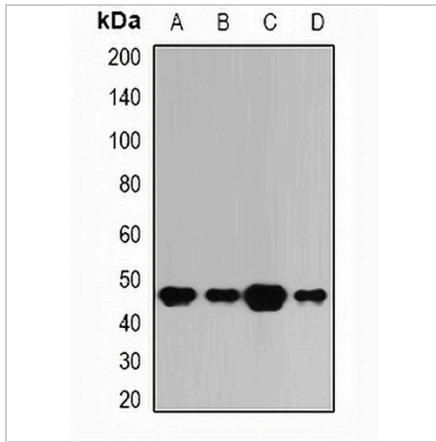
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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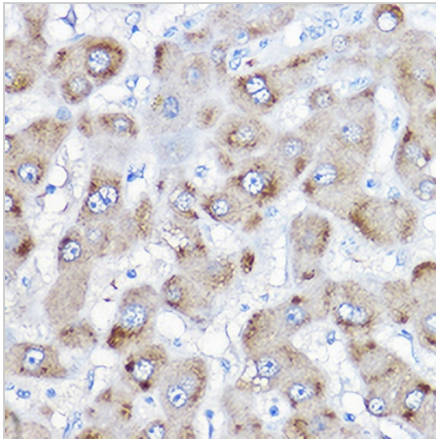
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DATA



Western blot analysis of BAAT expression in A549 (A), HepG2 (B), mouse liver (C), rat liver (D) whole cell lysates. (Predicted band size: 46 kD; Observed band size: 40-46 kD)



Immunohistochemical analysis of BAAT staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.