

Datasheet for ABIN7143238
anti-ACOT8 antibody (AA 1-200)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	ACOT8
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACOT8 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Acyl-coenzyme A thioesterase 8 protein (1-200AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	ACOT8
Alternative Name:	ACOT8 (ACOT8 Products)
Background:	Background: Acyl-coenzyme A (acyl-CoA) thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the

Target Details

potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH (PubMed: 9299485, PubMed: 9153233, PubMed: 15194431). Competes with bile acid CoA: amino acid N-acyltransferase (BAAT) for bile acid-CoA substrate (such as chenodeoxycholoyl-CoA). Shows a preference for medium-length fatty acyl-CoAs (C2 to C20) (PubMed: 9299485, PubMed: 9153233). Inactive towards substrates with more than C20 aliphatic chains (PubMed: 9153233). Involved in the metabolic regulation of peroxisome proliferation (PubMed: 15194431).

Aliases: ACOT8 antibody, ACTEIII antibody, PTE1 antibody, Acyl-coenzyme A thioesterase 8 antibody, Acyl-CoA thioesterase 8 antibody, EC 3.1.2.1 antibody, EC 3.1.2.11 antibody, EC 3.1.2.2 antibody, EC 3.1.2.3 antibody, EC 3.1.2.5 antibody, Choloyl-coenzyme A thioesterase antibody, EC 3.1.2.27 antibody, HIV-Nef-associated acyl-CoA thioesterase antibody, Peroxisomal acyl-CoA thioesterase 2 antibody, PTE-2 antibody, Peroxisomal acyl-coenzyme A thioester hydrolase 1 antibody, PTE-1 antibody, Peroxisomal long-chain acyl-CoA thioesterase 1 antibody, Thioesterase II antibody, hACTE-III antibody, hACTEIII antibody, hTE antibody

UniProt: [O14734](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

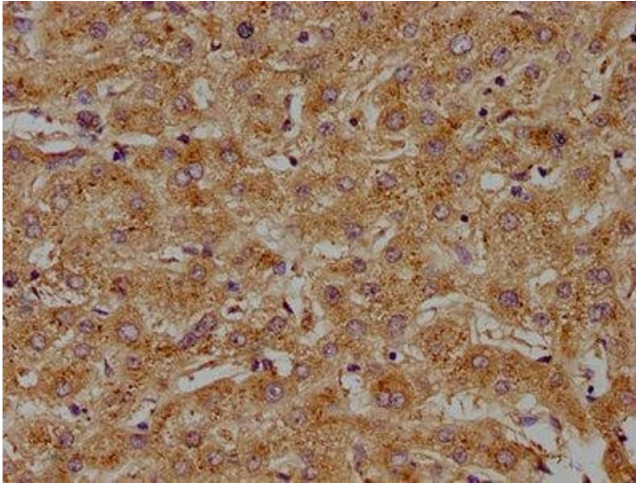
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7143238 diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.