

ACOT11 Antibody

*Acyl-Coenzyme A Thioesterase 11, Mouse Anti Human
ABM0005*

Product Overview

Name ACOT11 Antibody

Description

Acyl-Coenzyme A Thioesterase 11, Mouse Anti Human

Synonyms

Acyl-CoA Thioesterase 11, StAR-Related Lipid Transfer (START) Domain Containing 14, Thioesterase, Adipose Associated, Acyl-CoA Thioester Hydrolase 11, Adipose-Associated Thioesterase, Brown Fat-Inducible Thioesterase, Thioesterase Superfamily Member 1, START Domain Containing 14, Acyl-Coenzyme A Thioesterase 11, STARD14, THEM1, THEA, BFIT, BFIT1, BFIT2, KIAA0707, EC 3.1.2.1.

Introduction

ACOT11 belongs to the acyl-CoA thioesterase family which catalyses the transformation of activated fatty acids to the equivalent non-esterified fatty acid and coenzyme A. Expression of a mouse homolog in brown adipose tissue is induced by low temperatures and inhibited by high temperatures. Obesity-resistant mice demonstrated High levels of expression compared with obesity-prone mice, indicating BFIT takes part in acyl-CoA thioesterase 11 in obesity. BFIT has acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

ACOT11 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.4M Urea and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS NRTS RKSALRAGND SAMADGEGYR NPTEVQMSQL
VLPCHTNQRG ELSVGQLLKW IDTTACLSAE RHAGCPCVTA SMDDIYFEHT ISVGQVVNIK AKVNRAFNS

MEVGIQVASE DLCSEKQWNV CKALATFVAR REITKVCLKQ ITPRTEEEKM EHSVAAERRR MRLVYADTIK
DLLANCAIQG DLESRDCSR M VPAEKTRVES VELVLPPHAN HQGNTFGGQI MAWMENVA

Precautions

ACOT11 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.