

ACAT1 Antibody

*Acetyl-Coenzyme A acetyltransferase 1, Mouse Anti Human
ABM0003*

Product Overview

Name ACAT1 Antibody

Description

Acetyl-Coenzyme A acetyltransferase 1, Mouse Anti Human

Synonyms

Acetyl-CoA acetyltransferase, mitochondrial, EC 2.3.1.9, Acetoacetyl-CoA thiolase, T2, ACAT1, ACAT, MAT, THIL.

Introduction

Acetoacetyl-CoA thiolase (ACAT1) is an enzyme member of the membrane-bound acyltransferase family and Sterol o-acyltransferase subfamily. The ACAT1 enzyme catalyzes the reversible formation of acetoacetyl-CoA from 2 molecules of acetyl-CoA. ACAT1 plays a part in lipoprotein compilation and dietary cholesterol absorption. Added to its acyltransferase activity, ACAT1 acts as a ligase.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The ACAT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.1M NaCl, 10% glycerol and 1mM DTT.

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 95% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS VSKPTLK EVVIVSATRT PIGSFLGSLS LLPATKLGSI AIQGAIEKAG
IPKEEVKEAY MGNVLQGGEG QAPTRQAVLG AGLPISTPCT TINKVCASGM KAIMMASQSL MCGHQDVMVA
GGMESMSNPV YVMNRGSTPY GGVKLEDLIV KDGLTDVYNK IHMGSCAENT AKKLNIARNE QDAYAINSYT
RSKAAWEAGK FGNEVIPVTV TVKGQPDVVV KEDEEYKRVD FSKVPKLKT V FQKENGTVTA ANASTLNDGA
AALVLMTADA AKRLNVTPLA RIVAFADAAV EPIDFPIAPV YAASMVLKDV GLKKEDIAMW EVNEAFSLVV
LANIKMLEID PQKVNINGGA VSLGHPIGMS GARIVGHLTH ALKQGEYGLA SICNGGGGAS AMLIQKL.

Precautions

ACAT1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.