

[Go to Product page](#)

Datasheet for ABIN7143197

**anti-SCD antibody (AA 10-70) (Biotin)**

## Overview

Quantity:	100 µg
Target:	SCD
Binding Specificity:	AA 10-70
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCD antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Acyl-CoA desaturase protein (10-70AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	SCD
Alternative Name:	SCD ( <a href="#">SCD Products</a> )
Background:	Background: Stearyl-CoA desaturase that utilizes O(2) and electrons from reduced cytochrome b5 to introduce the first double bond into saturated fatty acyl-CoA substrates

## Target Details

(PubMed:15907797, PubMed:18765284). Catalyzes the insertion of a cis double bond at the delta-9 position into fatty acyl-CoA substrates including palmitoyl-CoA and stearoyl-CoA (PubMed:15907797, PubMed:18765284). Gives rise to a mixture of 16:1 and 18:1 unsaturated fatty acids (PubMed:15610069). Plays an important role in lipid biosynthesis. Plays an important role in regulating the expression of genes that are involved in lipogenesis and in regulating mitochondrial fatty acid oxidation (By similarity). Plays an important role in body energy homeostasis (By similarity). Contributes to the biosynthesis of membrane phospholipids, cholesterol esters and triglycerides (By similarity).

Aliases: ACOD\_HUMAN antibody, Acyl-CoA desaturase antibody, Delta(9)-desaturase antibody, Delta-9 desaturase antibody, Delta-9-Desaturase antibody, FADS5 antibody, Fatty acid desaturase antibody, PRO0998 antibody, SCD 1 antibody, SCD antibody, SCD1 antibody, Stearoyl-CoA desaturase antibody

UniProt: [O00767](#)

Pathways: [Brown Fat Cell Differentiation](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

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.