

Datasheet for ABIN1169094  
**anti-Stearoyl-Coenzyme A Desaturase 1 (SCD1) (AA 21-33)  
antibody**



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1 Image

## Overview

Quantity:	100 µg
Target:	Stearoyl-Coenzyme A Desaturase 1 (SCD1)
Binding Specificity:	AA 21-33
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Synthetic peptide corresponding to aa 21-33 (A21PPSGNEREKVKT33) of mouse SCD1.
Specificity:	Recognizes mouse SCD1. Detects a band of ~41 kDa by Western Blot.
Cross-Reactivity:	Mouse (Murine)
Sterility:	0.2 µm filtered

## Target Details

Target:	Stearoyl-Coenzyme A Desaturase 1 (SCD1)
Alternative Name:	Stearoyl-CoA Desaturase-1 ( <a href="#">SCD1 Products</a> )
Background:	Stearoyl-CoA desaturase (SCD) is a regulatory enzyme in lipogenesis. The enzyme is constitutively expressed in adipose tissue and is induced in liver in response to fat free, high

## Target Details

carbohydrate diet. Several SCD isoforms (SCD1, -2, and -3) exist in the mouse. Mice with a targeted disruption of the SCD1 isoform had reduced body adiposity, increased insulin sensitivity, and resistance to diet-induced weight gain. The protection from obesity involved increased energy expenditure and increased oxygen consumption. SCD1 deficiency shows activation of lipid oxidation in addition to reduced triglyceride synthesis and storage.

UniProt: [P13516](#)

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

Concentration: Lot specific

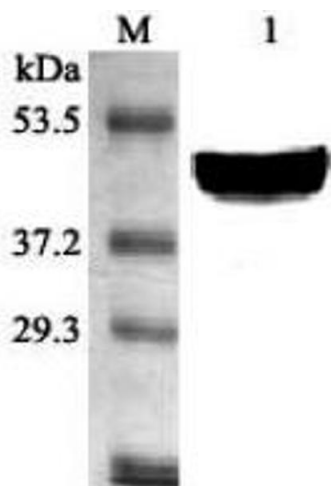
Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C  
Long Term Storage: -20°C  
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months



Western Blotting

**Image 1.** Western blot analysis using anti-SCD1 (mouse), pAb at 1:2'000 dilution. 1: Mouse liver cell lysate.