

Datasheet for ABIN656967  
**anti-SCD5 antibody (AA 147-175)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	400 µL
Target:	SCD5
Binding Specificity:	AA 147-175
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCD5 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This SCD5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-175 amino acids from the Central region of human SCD5.
Clone:	RB32907
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	SCD5
Alternative Name:	SCD5 ( <a href="#">SCD5 Products</a> )

## Target Details

**Background:** Stearoyl-CoA desaturase (SCD, EC 1.14.99.5) is an integral membrane protein of the endoplasmic reticulum that catalyzes the formation of monounsaturated fatty acids from saturated fatty acids. SCD may be a key regulator of energy metabolism with a role in obesity and dislipidemia. Four SCD isoforms, Scd1 through Scd4, have been identified in mouse. In contrast, only 2 SCD isoforms, SCD1 (MIM 604031) and SCD5, have been identified in human. SCD1 shares about 85 % amino acid identity with all 4 mouse SCD isoforms, as well as with rat Scd1 and Scd2. In contrast, SCD5 shares limited homology with the rodent SCDs and appears to be unique to primates (Wang et al., 2005 [PubMed 15907797]).

**Molecular Weight:** 37610

**Gene ID:** 79966

**NCBI Accession:** [NP\\_001032671](#), [NP\\_079182](#)

**UniProt:** [Q86SK9](#)

## Application Details

**Application Notes:** WB: 1:1000

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

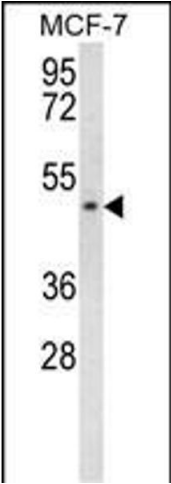
**Preservative:** Sodium azide

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

**Storage:** 4 °C,-20 °C

**Storage Comment:** SCD5 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

**Expiry Date:** 6 months



Western Blotting

**Image 1.** SCD5 Antibody (Center) (ABIN656967 and ABIN2846151) western blot analysis in MCF-7 cell line lysates (35 µg/lane). This demonstrates the SCD5 antibody detected the SCD5 protein (arrow).