

Datasheet for ABIN6147416  
**anti-SCD5 antibody (AA 1-75)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	SCD5
Binding Specificity:	AA 1-75
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCD5 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-75 of human SCD5 (NP_001032671.2).
Sequence:	MPGPATDAGK IPFCDAKEEI RAGLESSEGG GGPERPGARG QRQNIVWRNV VLMSLLHLGA VYSLVLIPKA KPLTL
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	SCD5
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## Target Details

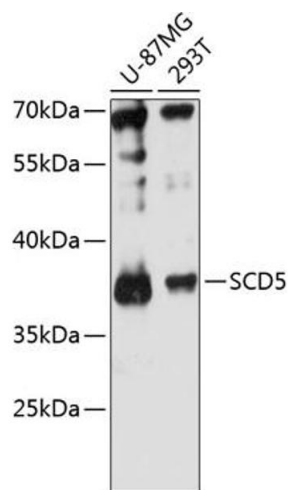
Alternative Name:	SCD5 ( <a href="#">SCD5 Products</a> )
Background:	Stearoyl-CoA desaturase (SCD, EC 1.14.99.5) is an integral membrane protein of the endoplasmic reticulum that catalyzes the formation of monounsaturated fatty acids from saturated fatty acids. SCD may be a key regulator of energy metabolism 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]).[supplied by OMIM, Mar 2008],SCD5,ACOD4,FADS4,HSCD5,SCD2,SCD4,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Cardiovascular,Lipids,Fatty Acids,SCD5
Molecular Weight:	28 kDa/37 kDa
Gene ID:	79966
UniProt:	<a href="#">Q86SK9</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using SCD5 antibody (ABIN6133236, ABIN6147416, ABIN6147417 and ABIN6217004) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.