

Datasheet for ABIN954682
anti-SCD5 antibody (Middle Region)[Go to Product page](#)

1 Image

Overview

Quantity:	0.4 mL
Target:	SCD5
Binding Specificity:	AA 146-175, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCD5 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 146-175 amino acids from the Central region of Human SCD5 Genename: SCD5
Isotype:	Ig Fraction
Specificity:	Recognizes SCD5 (Center).
Purification:	Protein A column followed by peptide Affinity purification

Target Details

Target:	SCD5
Alternative Name:	SCD5 (SCD5 Products)
Background:	Stearoyl-CoA desaturase (SCD, EC 1.14.99.5) is an integral membrane protein of the

Target Details

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]). Synonyms: ACOD4, Acyl-CoA-desaturase 4, HSCD5, SCD4, Stearoyl-CoA 9-desaturase, Stearoyl-CoA desaturase 5

Gene ID: 79966

NCBI Accession: [NP_001032671](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium Azide as preservative

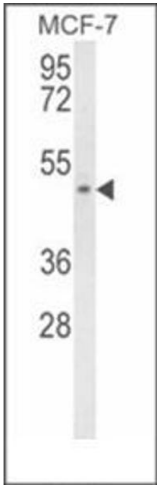
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of SCD5 Antibody (Center) Cat.-No AP53809PU-N in MCF-7 cell line lysates (35 µg/lane). This demonstrates the SCD5 antibody detected the SCD5 protein (arrow).