

Datasheet for ABIN7143196
anti-SCD antibody (AA 10-70)



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1 Image

Overview

Quantity:	100 µg
Target:	SCD
Binding Specificity:	AA 10-70
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCD antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

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 (SCD Products)
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: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

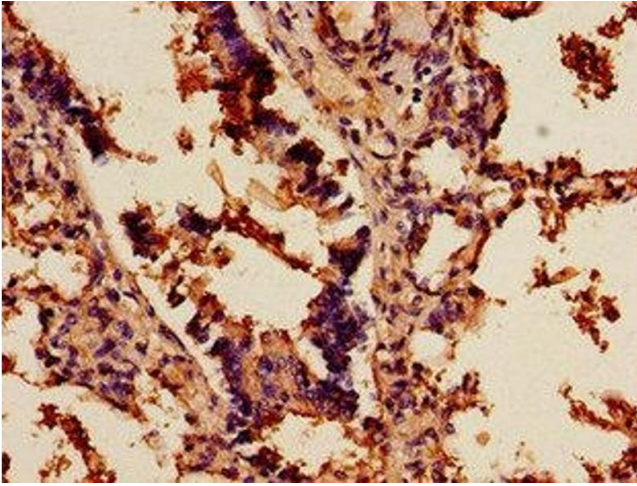
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human lung cancer using ABIN7143196 at dilution of 1:100