

# (KO Validated) SCD Polyclonal Antibody

Catalog Number: E-AB-66816

1 Publications

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by Elabscience

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

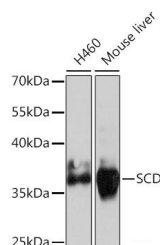
## Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide of human SCD (NP_005054.3).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Applications Recommended Dilution

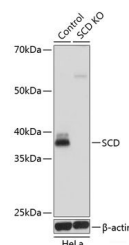
<b>WB</b>	1:500-1:2000
<b>IF</b>	1:50-1:100

## Data

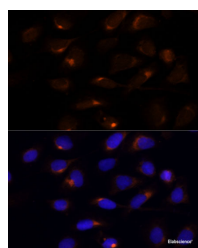


Western blot analysis of extracts of various cell lines using SCD Polyclonal Antibody at dilution of 1:1000.

**Observed Mw: 38kDa**  
**Calculated Mw: 41kDa**



Western blot analysis of extracts from normal (control) and SCD knockout (KO) HeLa cells using SCD Polyclonal Antibody at dilution of 1:1000.



Immunofluorescence analysis of U-2 OS cells using SCD Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

This gene encodes an enzyme involved in fatty acid biosynthesis, primarily the synthesis of oleic acid. The protein belongs to the fatty acid desaturase family and is an integral membrane protein located in the endoplasmic reticulum. Transcripts of approximately 3.9 and 5.2 kb, differing only by alternative polyadenylation signals, have been detected. A gene

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encoding a similar enzyme is located on chromosome 4 and a pseudogene of this gene is located on chromosome 17.

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