

Rabbit SCD Polyclonal Antibody | anti-SCD antibody

(KO Validated) SCD Polyclonal Antibody

CATALOG # AAA177383	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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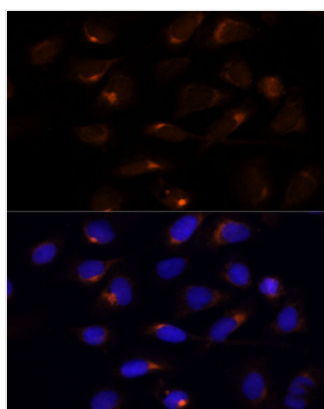
PRODUCT SYNONYMS

SCD; Polyclonal Antibody; (KO Validated) SCD Polyclonal Antibody; FADS5; MSTP008; SCD1; SCDOS; hSCD1; anti-SCD antibody

PRODUCT SPECIFICATIONS

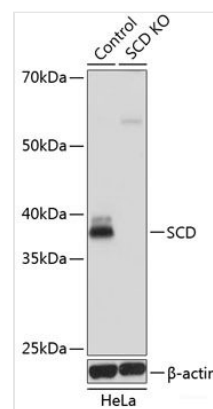
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-SCD antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human SCD (NP_0050543)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



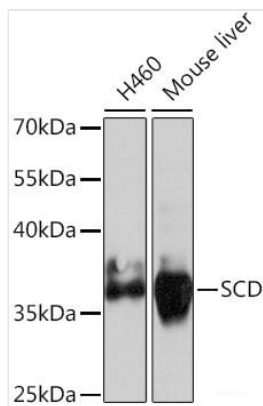
IF (Immunofluorescence)

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



WB (Western Blot)

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



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

ADDITIONAL INFORMATION

Related Product Information for anti-SCD antibody	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 encoding a similar enzyme is located on chromosome 4 and a pseudogene of this gene is located on chromosome 17.
Product Categories/Family for anti-SCD antibody	Cancer; Cardiovascular; Metabolism; Signal Transduction; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	53759151
NCBI GeneID	6319
NCBI Accession #	NP_005054.3
NCBI GenBank Nucleotide #	NM_005063.4
UniProt Accession #	O00767; Q16150; Q53GR9; Q5W037; Q5W038; Q6GSS4; Q96KF6; Q9BS07; Q9Y695; B2R5U0; D3DR68
Molecular Weight	41,523 Da
NCBI Official Full Name	acyl-CoA desaturase
NCBI Official Synonym Full Names	stearoyl-CoA desaturase (delta-9-desaturase)
NCBI Official Symbol	SCD
NCBI Official Synonym Symbols	SCD1; FADS5; SCDOS; MSTP008
NCBI Protein Information	acyl-CoA desaturase; delta-9 desaturase; delta-9-desaturase; delta(9)-desaturase; fatty acid desaturase; predicted protein of HQ0998; stearoyl-CoA desaturase opposite strand
UniProt Protein Name	Acyl-CoA desaturase
UniProt Gene Name	SCD
UniProt Synonym Gene Names	Delta-9 desaturase
UniProt Entry Name	ACOD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

