[KD Validated] Anti-SCD1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P105315

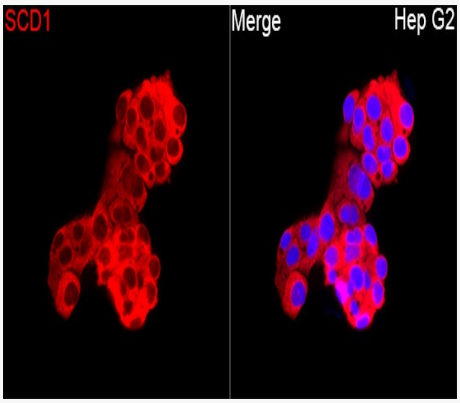
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Rat
Dilution	WB 1:500~1:1000; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 260-359 of human SCD(NP_005054.3).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-SCD1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

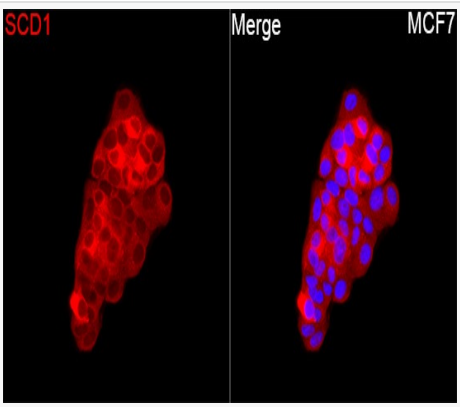
Protein Information

Synonyms	SCD1; FADS5; SCDOS; hSCD1; MSTP008; SCD.
Calculated MW	Calculated MW: 42 kDa; Observed MW: 37 kDa
Uniprot ID	O00767
Gene ID	6319
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 polyadenlyation 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.

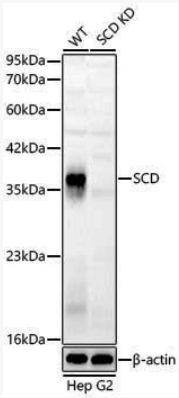
Validation Images



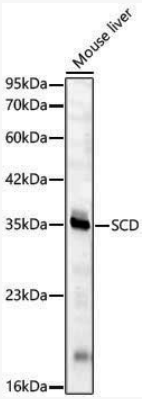
Immunofluorescence analysis of Hep G2 cells using [KD Validated] SCD Rabbit pAb(P105315) at a dilution of 1:100 (40× lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of MCF7 cells using [KD Validated] SCD Rabbit pAb(P105315) at a dilution of 1:100 (40× lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from wild type (WT) and SCD knockdown (KD) Hep G2 cells using [KD Validated] SCD Rabbit pAb (P105315) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 180s.



Western blot analysis of lysates from Mouse liver using [KD Validated] SCD Rabbit pAb (P105315) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 180s.