

SCD1 Rabbit pAb

Catalog NO.: A16429 **42 Publications**

Basic Information

Observed MW

37 kDa

Calculated MW

42 kDa

Category

Polyclonal Antibodies

Applications

WB, IF/ICC, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

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

Recommended Dilutions

WB 1:500 - 1:5000

IF/ICC 1:50 - 1:200

IHC-P 1:50 - 1:200

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID	Swiss Prot
6319	O00767

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

SCD1; FADS5; SCDOS; hSCD1; MSTP008; SCD

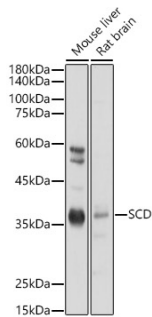
Contact

Product Information

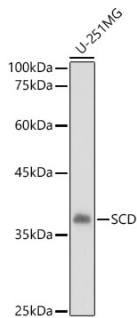
☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.		

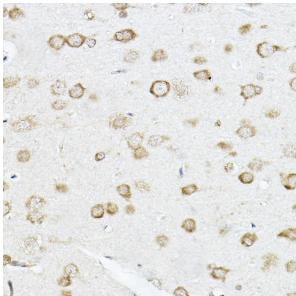
Validation Data



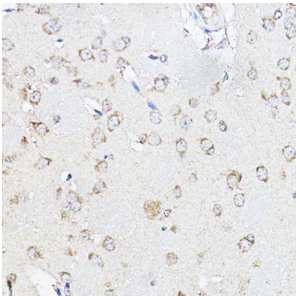
Western blot analysis of various lysates using SCD Rabbit pAb (A16429) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 1s.



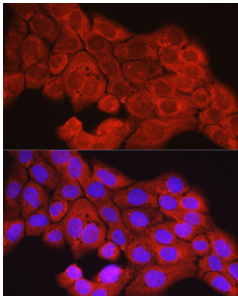
Western blot analysis of lysates from U-251MG cells, using SCD Rabbit pAb (A16429) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 3s.



Immunohistochemistry analysis of paraffin-embedded Rat brain using SCD Rabbit pAb (A16429) at dilution of 1:100 (40x lens). High pressure antigen



Immunohistochemistry analysis of paraffin-embedded Mouse brain using SCD Rabbit pAb (A16429) at dilution of 1:100 (40x lens). High pressure



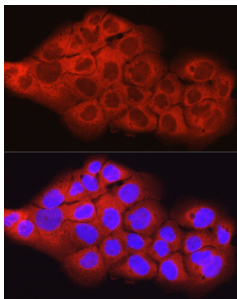
Immunofluorescence analysis of A431 cells using SCD Rabbit pAb (A16429) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-

retrieval performed with 0.01M Citrate buffer (pH 6.0)
prior to IHC staining.

antigen retrieval performed with 0.01M Citrate buffer
(pH 6.0) prior to IHC staining.

Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI
for nuclear staining.

Validation Data



Immunofluorescence analysis of A431 cells using SCD
Rabbit pAb (A16429) at dilution of 1:100 (40x lens).
Secondary antibody: Cy3-conjugated Goat anti-Rabbit
IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear
staining.

