

# SCD Polyclonal Antibody

## Product Details

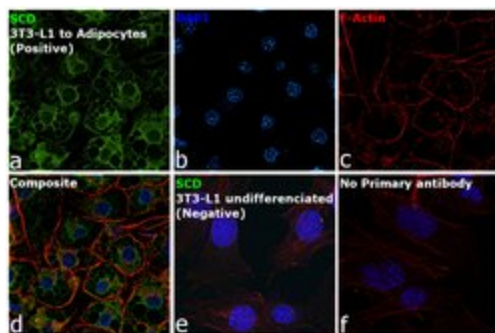
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues surrounding M38 of human SCD1
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage Conditions	-20°C
RRID	AB_10986599

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1000	-
Immunocytochemistry (ICC/IF)	1:100	-

## Product Specific Information

It is not recommended to aliquot this antibody.

## Advanced Verification Data

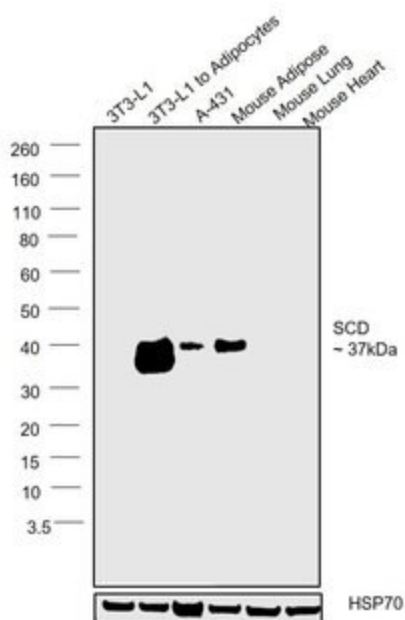


### SCD Antibody (PA5-17331)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-SCD Polyclonal Antibody (Product # PA5-17331) shows increased expression of SCD in undifferentiated 3T3L-1 cell line when compared to 3T3L-1 differentiated to adipocytes. Relative expression validation info.

### SCD Antibody (PA5-17331)

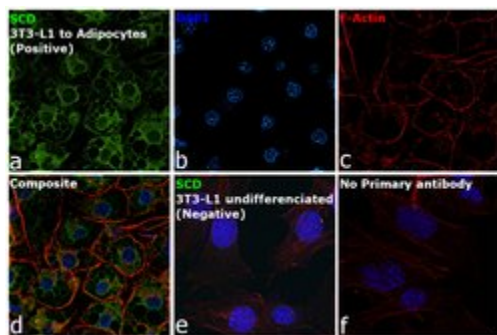
Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue tested owing to their inherent genetic constitution. Relative expression of SCD was observed in 3T3L-1 differentiated to adipocytes, A-431 and Mouse adipose in comparison to undifferentiated 3T3L-1, Mouse lung and Mouse heart using Anti-SCD Polyclonal Antibody (Product # PA5-17331) in Western Blot. Relative expression validation info.



## Product Images For SCD Polyclonal Antibody

### SCD Antibody (PA5-17331) in ICC/IF

Immunofluorescence analysis of SCD was performed using 70% confluent log phase 3T3-L1 undifferentiated and 3T3-L1 differentiated to adipocytes. The cells were fixed with 4% Paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with SCD Polyclonal Antibody (Product # PA5-17331) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 (Product # A27034, 1:2000 dilution) for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing ER like cytoplasmic localization. Panel e represents undifferentiated 3T3L-1 cells having no expression of SCD. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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