

SCD Polyclonal Antibody

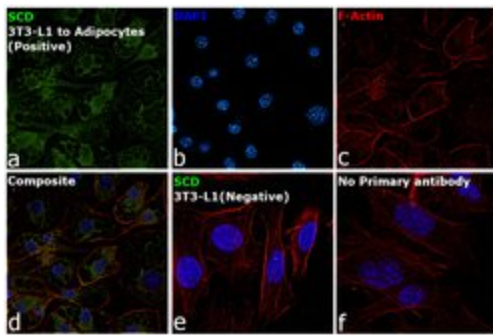
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues in Human SCD
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 50% glycerol
Contains	0.02% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2719485

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1000	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Advanced Verification Data

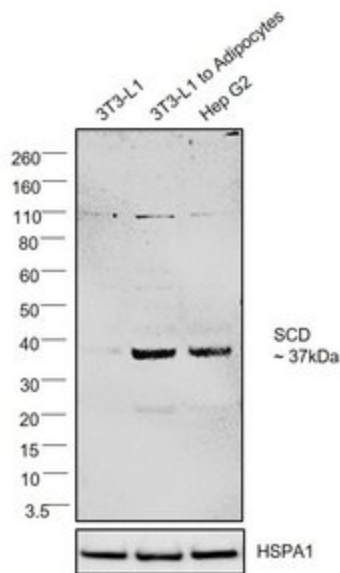


SCD Antibody (PA5-75757)

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 # PA5-75757) shows increased expression of SCD in 3T3-L1 cell differentiated to adipocytes when compared to undifferentiated 3T3-L1. Relative expression validation info.

SCD Antibody (PA5-75757)

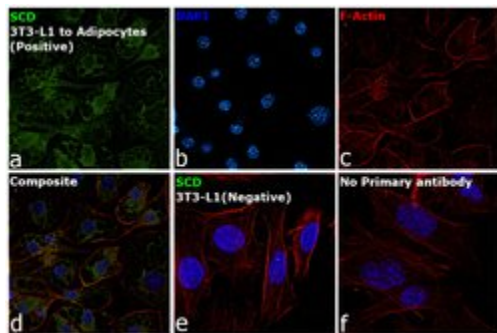
Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue tested owing to their inherent genetic constitution. Relative expression of SCD was observed in 3T3-L1 differentiated to adipocytes and Hep G2 in comparison to undifferentiated 3T3-L1 using Anti-SCD polyclonal antibody (Product # PA5-75757) in Western Blot. Relative expression validation info.



Product Images For SCD Polyclonal Antibody

SCD Antibody (PA5-75757) in ICC/IF

Immunofluorescence analysis of SCD Polyclonal Antibody was performed using 70% confluent log phase 3T3-L1 and 3T3-L1 cells 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 10 minutes at room temperature. The cells were labeled with SCD Polyclonal Antibody (Product # PA5-75757) 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™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at 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 in 3T3-L1 differentiated to adipocytes. Panel e represents undifferentiated 3T3-L1 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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