

For Research Use Only

SCD Recombinant antibody

Catalog Number: 81468-2-RR



Basic Information

Catalog Number:

81468-2-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29156

GenBank Accession Number:

BC005807

GeneID (NCBI):

6319

UNIPROT ID:

O00767

Full Name:

stearoyl-CoA desaturase (delta-9-desaturase)

Calculated MW:

355 aa, 41 kDa

Observed MW:

28-42 kDa

Purification Method:

Protein A purification

CloneNo.:

241487B5

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : A431 cells, HepG2 cells, A375 cells, A549 cells, HEK-293T cells

Background Information

SCD1 (stearoyl-CoA desaturase) is a microsomal fatty acid monodesaturase, which catalyses the committed step in the biosynthesis of mono-unsaturated fatty acids from saturated fatty acids (PMID:10946019). SCD1 and SCD2 are the main isoforms expressed in mouse liver and brain respectively (PMID:15907797). The formation of homodimers and oligomers is an intrinsic property of SCD proteins. SCD1 is a multi-pass membrane protein and detected double bands of 37-42 kDa. The degradation product of 28 kDa may be caused by a major cleavage site at the C-terminus (PMID:15610069, PMID: 9843580).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

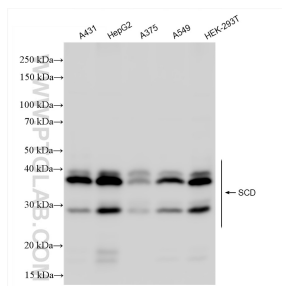
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

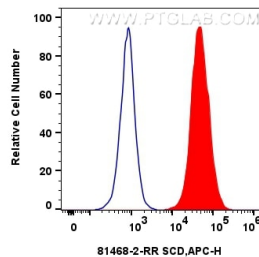
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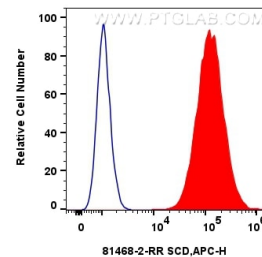
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81468-2-RR (SCD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 HepG2 cells were intracellularly stained with 0.2 ug SCD Recombinant Antibody (81468-2-RR, Clone:241487B5) and Multi-rAb CoraLite® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005)(red), or 0.2 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1×10^6 MCF-7 cells were intracellularly stained with 0.2 ug SCD Recombinant Antibody (81468-2-RR, Clone:241487B5) and Multi-rAb CoraLite® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005)(red), or 0.2 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).