

For Research Use Only

SCD1 Polyclonal antibody, PBS Only

Catalog Number: 28678-1-PBS

Featured Product



Basic Information

Catalog Number:

28678-1-PBS

Size:

1 mg/ml

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:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

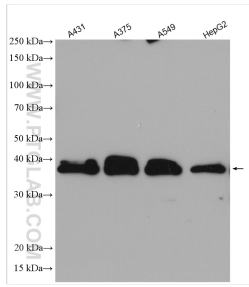
T: 4006900926

E: Proteintech-CN@ptglab.com

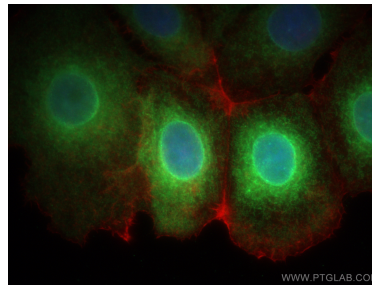
W: ptgcn.com

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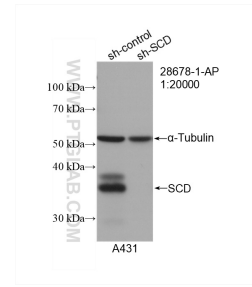
Selected Validation Data



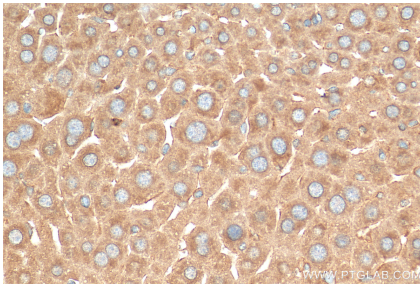
Various lysates were subjected to SDS PAGE followed by western blot with 28678-1-AP (SCD antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28678-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using SCD antibody (28678-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 28678-1-PBS in a different storage buffer formulation.



WB result of SCD antibody (28678-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SCD transfected A431 cells. This data was developed using the same antibody clone with 28678-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 28678-1-AP (SCD antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 28678-1-PBS in a different storage buffer formulation.