

For Research Use Only

ACSS3 Polyclonal antibody

Catalog Number: 16204-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

16204-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9173

GenBank Accession Number:

BC009317

GeneID (NCBI):

79611

UNIPROT ID:

Q9H6R3

Full Name:

acyl-CoA synthetase short-chain family member 3

Calculated MW:

686 aa, 75 kDa

Observed MW:

70-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HepG2 cells, mouse kidney tissue, rat kidney tissue

IHC: human liver tissue,

IF/ICC: U2OS cells,

Background Information

ACSS3(acyl-CoA synthetase short-chain family member 3, mitochondrial) belongs to the ATP-dependent AMP-binding enzyme family. It activates acetate so that it can be used for lipid synthesis or for energy generation. The deduced 686-amino acid protein contains 4 of 5 motifs characteristic of acyl-CoA synthetases. This protein has 2 isoforms produced by alternative splicing. The full length protein has a transit peptide with 29 amino acids.

Notable Publications

Author	Pubmed ID	Journal	Application
Karolin Weitkunat	34064336	Nutrients	WB
Bing Zhou	39146936	Cell Metab	WB
Lan Wang	37979225	Biochim Biophys Acta Mol Basis Dis	IHC, WB

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

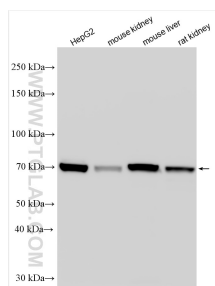
For technical support and original validation data for this product please contact:

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

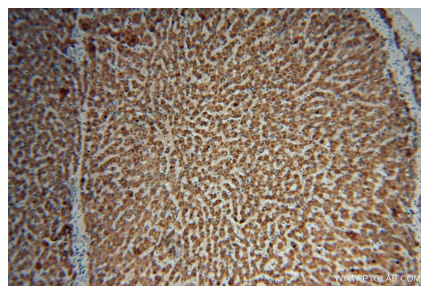
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

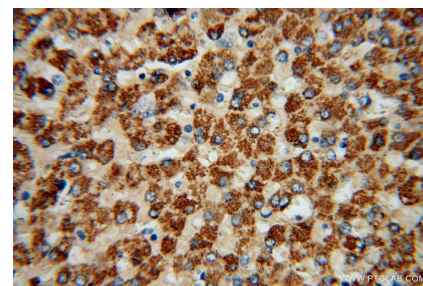
Selected Validation Data



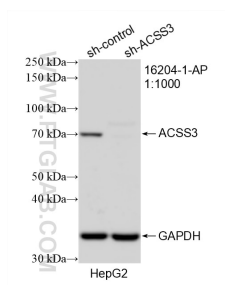
Various lysates were subjected to SDS PAGE followed by western blot with 16204-1-AP (ACSS3 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



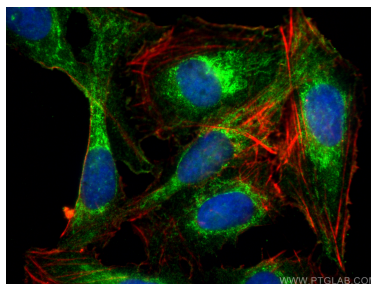
Immunohistochemical analysis of paraffin-embedded human liver using 16204-1-AP (ACSS3 antibody) at dilution of 1:100 (under 10x lens).



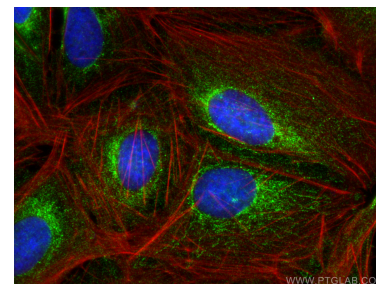
Immunohistochemical analysis of paraffin-embedded human liver using 16204-1-AP (ACSS3 antibody) at dilution of 1:100 (under 40x lens).



WB result of ACSS3 antibody (16204-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACSS3 transfected HepG2 cells.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using ACSS3 antibody (16204-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using ACSS3 antibody (16204-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).