

## ACSS2 Polyclonal antibody

Catalog Number: 16087-1-AP

Featured Product

9 Publications

## Basic Information

## Catalog Number:

16087-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG9121

## GenBank Accession Number:

BC010141

## GeneID (NCBI):

55902

## UNIPROT ID:

Q9NR19

## Full Name:

acyl-CoA synthetase short-chain family member 2

## Calculated MW:

701 aa, 79 kDa

## Observed MW:

79 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, IP, WB, ELISA

## Cited Applications:

WB, IF, IHC

## Species Specificity:

human, mouse, rat

## Cited Species:

human, rat, 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 : HEK-293 cells, mouse liver tissue, HepG2 cells, mouse brain tissue, rat liver tissue

IP : HepG2 cells,

IHC : human brain tissue,

## Background Information

Acetyl-CoA Synthetase 2 (ACSS2) is also named as acyl-CoA synthetase short-chain family member 2. Acetyl-CoA Synthetase 2 (ACSS2) is responsible for lipogenesis by synthesizing acetyl-CoA from acetate for lipogenesis and promotes acetylation in nuclear (PMID: 29444517). It is also required for cell migration and invasion in renal cell carcinoma (RCC) through the promotion of autophagy (PMID: 29281714). ACSS2 has two isoforms with the molecular weight of 78 and 80 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tao Chen	36438486	Theranostics	WB, IHC
Krishna B Singh	36251722	Cancer Prev Res (Phila)	WB, IHC, IF
Jingfei Zhang	36290717	Antioxidants (Basel)	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

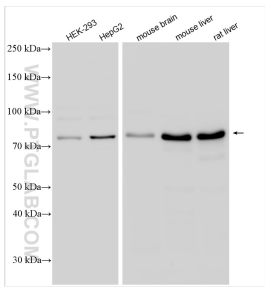
For technical support and original validation data for this product please contact:

T: 4006900926

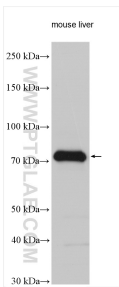
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

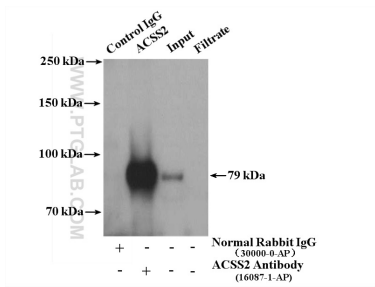
Selected Validation Data



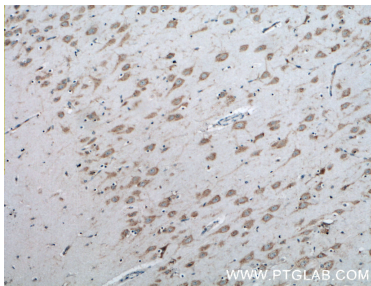
Various lysates were subjected to SDS PAGE followed by western blot with 16087-1-AP (ACSS2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



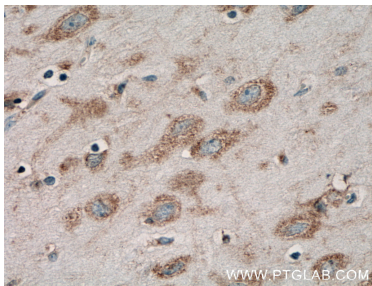
Various lysates were subjected to SDS PAGE followed by western blot with 16087-1-AP (ACSS2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



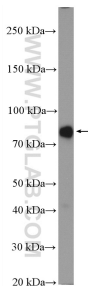
IP result of anti-ACSS2 (IP:16087-1-AP, 4ug; Detection:16087-1-AP 1:500) with HepG2 cells lysate 5600 ug.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 16087-1-AP (ACSS2 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 16087-1-AP (ACSS2 synthetase antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse liver tissue were subjected to SDS PAGE followed by western blot with 16087-1-AP (ACSS2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.