

For Research Use Only

# ACSM3 Polyclonal antibody

Catalog Number: 10168-2-AP

Featured Product

6 Publications



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>10168-2-AP   | <b>GenBank Accession Number:</b><br>BC002790                          | <b>Purification Method:</b><br>Antigen affinity purification                        |
| <b>Size:</b><br>150ul , Concentration: 300 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>6296   | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IHC 1:20-1:200<br>IF 1:10-1:100 |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>acyl-CoA synthetase medium-chain family member 3 |   |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>49 kDa, 66 kDa                               |   |
| <b>Immunogen Catalog Number:</b><br>AG0224   | <b>Observed MW:</b><br>60-70 kDa                                      |   |

## Applications

**Tested Applications:**  
FC, IF, IHC, WB, ELISA

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human, mouse

**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 :** HEK-293 cells, mouse kidney tissue

**IHC :** human kidney tissue, human prostate cancer tissue

**IF :** HepG2 cells,

## Background Information

SA hypertension-associated rat homolog (SAH, synonym: SA) is expressed at 10-fold greater levels in the kidney of the spontaneously hypertensive rat than in the corresponding wild-type strain. The gene is linked to blood pressure levels in a number of crosses involving the spontaneously hypertensive rat and other strains of genetically hypertensive rats. Human SAH gene polymorphism may be associated with the renal prognosis of immunoglobulin A nephropathy through its effect on blood pressure. Furthermore, variation in SAH has a role in predisposition.

## Notable Publications

| Author        | Pubmed ID | Journal             | Application |
|---------------|-----------|---------------------|-------------|
| Paul Dowling  | 31776009  | Eur J Cell Biol     | WB,IF       |
| Limei Yan     | 33869039  | Front Oncol         | WB, IHC     |
| Lingyun Zhang | 34322485  | Front Cell Dev Biol | IHC         |

## 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

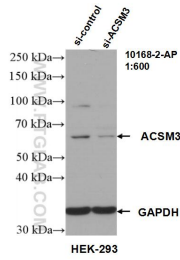
For technical support and original validation data for this product please contact:

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

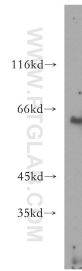
E: proteintech@ptglab.com  
W: ptglab.com

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

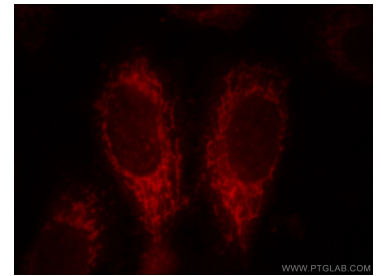
## Selected Validation Data



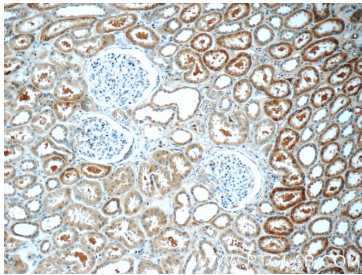
WB result of ACSM3 antibody (10168-2-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACSM3 transfected HEK-293 cells.



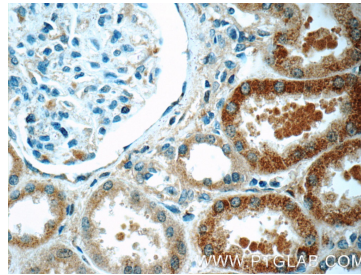
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10168-2-AP (ACSM3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



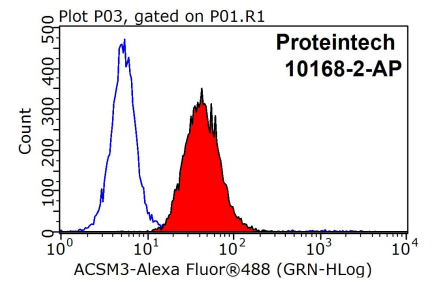
Immunofluorescent analysis of HepG2 cells, using ACSM3 antibody 10168-2-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10168-2-AP (ACSM3 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10168-2-AP (ACSM3 Antibody) at dilution of 1:50 (under 40x lens).



$1 \times 10^6$  HepG2 cells were stained with 0.2ug ACSM3 antibody (10168-2-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.