

For Research Use Only

# ACSM3 Polyclonal antibody

Catalog Number: 10168-2-AP

Featured Product

7 Publications



## Basic Information

**Catalog Number:**

10168-2-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0224

**GenBank Accession Number:**

BC002790

**GeneID (NCBI):**

6296

**UNIPROT ID:**

Q53FZ2

**Full Name:**

acyl-CoA synthetase medium-chain family member 3

**Calculated MW:**

49 kDa, 66 kDa

**Observed MW:**

60-70 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Cited Applications:**

WB, IHC, IF

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

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

**IF/ICC:** 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

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

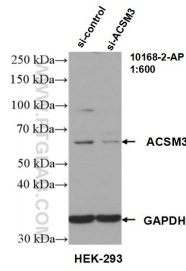
T: 4006900926

E: Proteintech-CN@ptglab.com

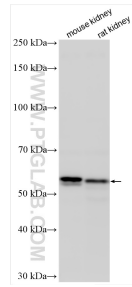
W: ptgcn.com

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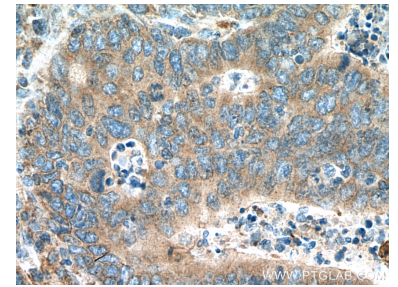
## Selected Validation Data



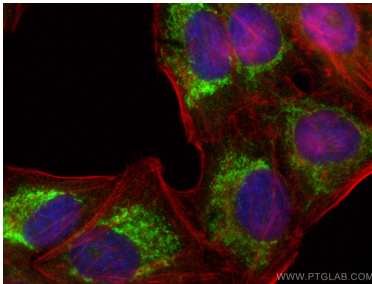
WB result of ACSM3 antibody (10168-2-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACSM3 transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10168-2-AP (ACSM3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10168-2-AP (ACSM3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ACSM3 antibody (10168-2-AP) at dilution of 1:200 and CoralLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).