

## ACSM3 Polyclonal Antibody

Catalog number: 10168-2-AP

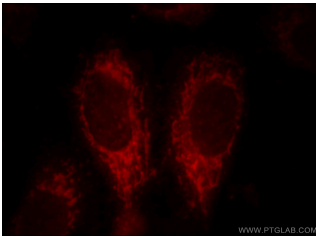
Size: 25 µg/150 µl

Source: Rabbit

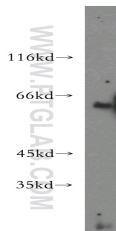
Isotype: IgG

Synonyms:

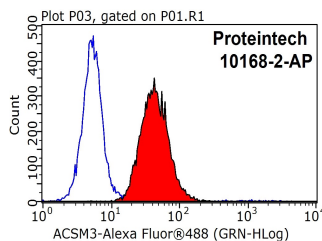
ACSM3; ACSM3, Butyrate CoA ligase 3, Protein SA homolog, SA, SAH



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



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10168-2-AP (ACSM3 antibody) at dilution of 1:500



1X10<sup>6</sup> 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.

### Background

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.

### Applications

Tested applications:	ELISA, WB, IF, IHC, FC
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated ACSM3 MW:	49 kDa, 66 kDa
Observed ACSM3 MW:	60-70kd
Positive WB detected in	HEK-293 cells, mouse kidney tissue
Positive IHC detected in	Human kidney tissue, human prostate cancer tissue
Positive IF detected in	HepG2 cells
Positive FC detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100 FC: N/A

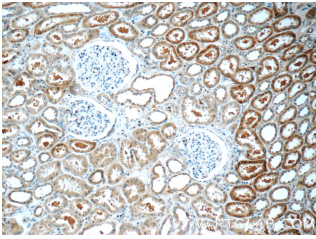
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

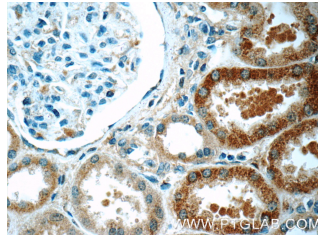
Immunogen:	Ag0224
GenBank accession number:	BC002790
Gene ID (NCBI):	6296
Full name:	Acyl-CoA synthetase medium-chain family member 3

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



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



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