

For Research Use Only

ACSM3 Polyclonal antibody

Catalog Number: 10168-2-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

10168-2-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

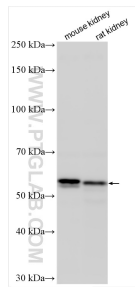
For technical support and original validation data for this product please contact:

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

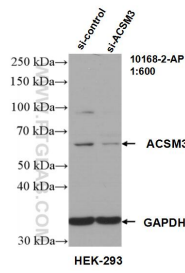
E: proteintech@ptglab.com
W: ptglab.com

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

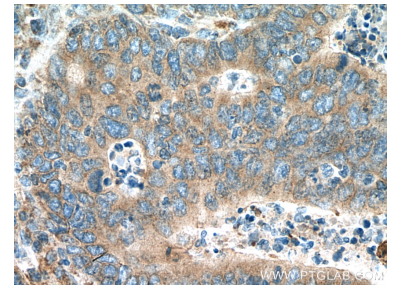
Selected Validation Data



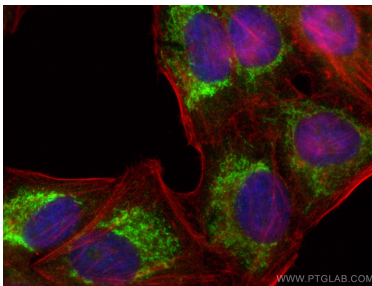
Various lysates were subjected to SDS PAGE followed by western blot with 10168-2-AP (ACSM3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.



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 CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).