

For Research Use Only

ACSM2A Polyclonal antibody

Catalog Number: 22862-1-AP

2 Publications



Basic Information

Catalog Number:

22862-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18856

GenBank Accession Number:

BC125176

GeneID (NCBI):

123876

UNIPROT ID:

Q08AH3

Full Name:

acyl-CoA synthetase medium-chain
family member 2A

Calculated MW:

577 aa, 64 kDa

Observed MW:

60-64 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse, rat

**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 liver tissue, human brain tissue, rat liver
tissue, mouse kidney tissue

IHC : human liver cancer tissue,

IF/ICC : HepG2 cells,

Background Information

ACSM2A (Acyl-coenzyme A synthetase ACSM2A, mitochondrial) is also named as ACSM2, MACS2 and belongs to the ATP-dependent AMP-binding enzyme family. It acts as a medium-chain fatty acid : CoA ligase with the calculated molecular weight of 64 kDa and acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4-unsaturated acids.

Notable Publications

Author	Pubmed ID	Journal	Application
Claudia Theys	39086681	Front Mol Med	WB
Fu-Li Wen	37378075	Front Physiol	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:

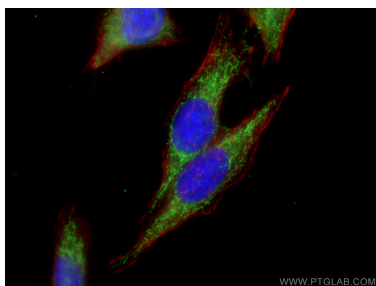
T: 4006900926

E: Proteintech-CN@ptglab.com

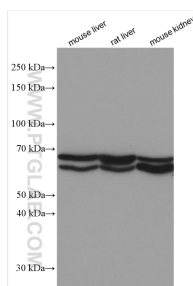
W: ptgcn.com

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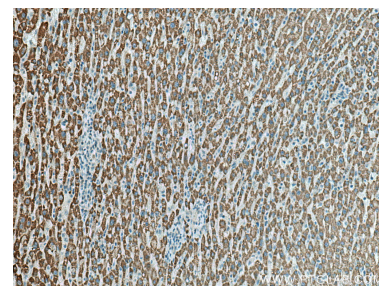
Selected Validation Data



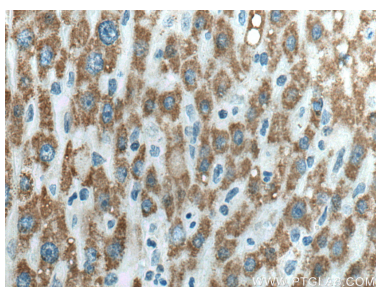
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 22862-1-AP (ACSM2A antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 22862-1-AP (ACSM2A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 22862-1-AP (ACSM2A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 22862-1-AP (ACSM2A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).