

For Research Use Only

# ACSM2A Polyclonal ANTIBODY

Catalog Number: 22862-1-AP



## Basic Information

<b>Catalog Number:</b> 22862-1-AP	<b>GenBank Accession Number:</b> BC125176	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 227 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 123876	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> acyl-CoA synthetase medium-chain family member 2A	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 577 aa, 64 kDa	
<b>Immunogen Catalog Number:</b> AG18856	<b>Observed MW:</b> 60-64 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

human, 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: 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.

## 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

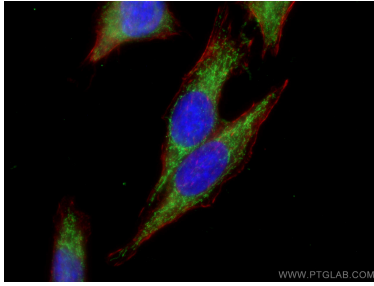
For technical support and original validation data for this product please contact:

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

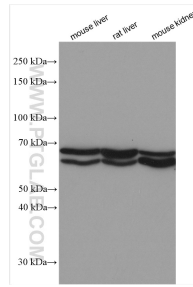
E: proteintech@ptglab.com  
W: ptglab.com

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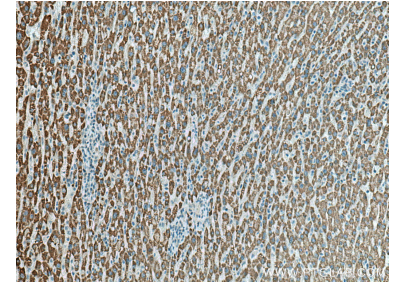
## Selected Validation Data



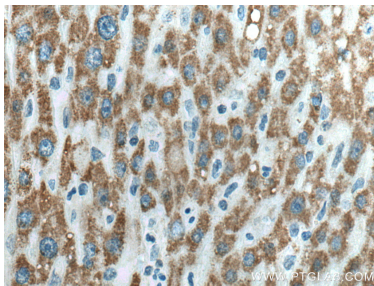
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 22862-1-AP (ACSM2A antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).