

For Research Use Only

ACSM2A Polyclonal antibody

Catalog Number: 22862-1-AP

1 Publications



Basic Information

Catalog Number: 22862-1-AP	GenBank Accession Number: BC125176	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 123876	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: acyl-CoA synthetase medium-chain family member 2A	
Isotype: IgG	Calculated MW: 577 aa, 64 kDa	
Immunogen Catalog Number: AG18856	Observed MW: 60-64 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

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.

Notable Publications

Author	Pubmed ID	Journal	Application
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

*** 20ul sizes contain 0.1% BSA

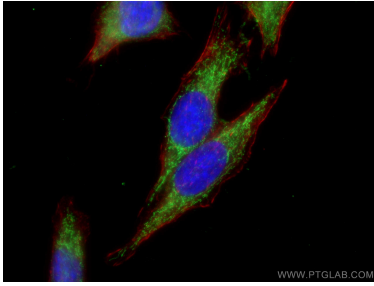
For technical support and original validation data for this product please contact:

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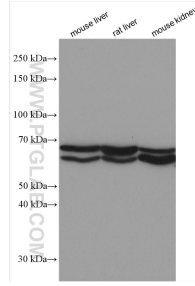
E: proteintech@ptglab.com
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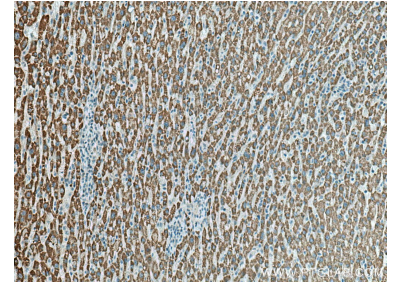
Selected Validation Data



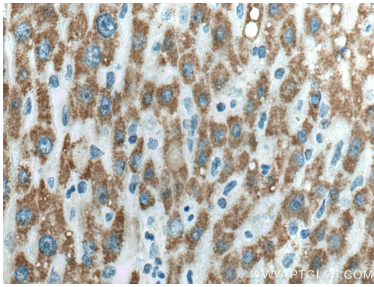
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 22862-1-AP (ACSM2A antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).