

For Research Use Only

# ACSM5 Monoclonal antibody

Catalog Number: 67334-1-Ig **1 Publications**



## Basic Information

Catalog Number: 67334-1-Ig	GenBank Accession Number: BC016703	Purification Method: Protein G purification
Concentration: 1000 ug/ml	GeneID (NCBI): 54988	CloneNo.: 2D5D6
Source: Mouse	UNIPROT ID: Q6NUN0	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: acyl-CoA synthetase medium-chain family member 5	
Immunogen Catalog Number: AG10056	Calculated MW: 208 aa, 23 kDa	
	Observed MW: 60-65 kDa	

## Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : 4T1 cells, MDA-MB-231 cells, rat liver tissue
Species Specificity: human, mouse, rat	IHC : human liver cancer tissue,
Cited Species: human	IF/ICC : HepG2 cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

ACSM5(Acyl-CoA synthetase medium-chain family member 5) is also named as MACS3 and belongs to the ATP-dependent AMP-binding enzyme family. ACSM5 has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). This protein has 2 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yanlin Cao	34593020	Arthritis Res Ther	WB

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

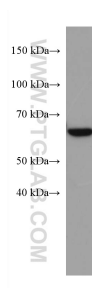
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

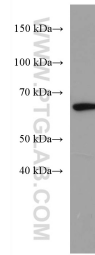
W: [ptgcn.com](http://ptgcn.com)

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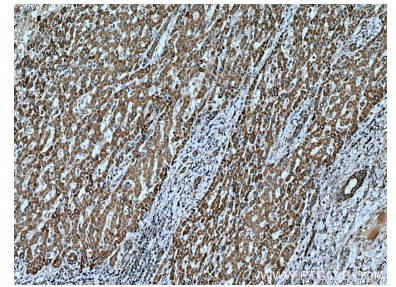
## Selected Validation Data



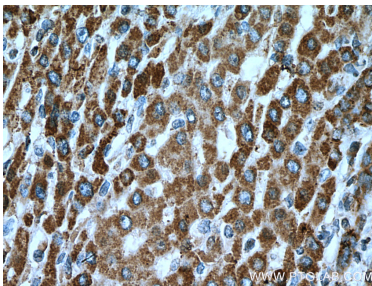
4T1 cells were subjected to SDS PAGE followed by western blot with 67334-1-Ig (ACSM5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



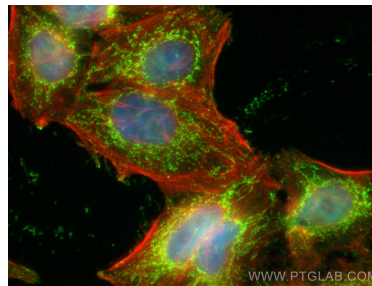
rat liver tissue were subjected to SDS PAGE followed by western blot with 67334-1-Ig (ACSM5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67334-1-Ig (ACSM5 antibody) at dilution of 1:500 (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 67334-1-Ig (ACSM5 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ACSM5 antibody (67334-1-Ig, Clone: 2D5D6) at dilution of 1:800 and Coralite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).