For Research Use Only

ACSM5 Monoclonal antibody

Catalog Number:67334-1-Ig 5 Publications

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Basic Information

Catalog Number:
67334-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop and 351 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG10056

GenBank Accession Number:
BC016703

GeneID (NCBI):
54988

UNIPROT ID:
Q6NUN0

Full Name:
acyl-CoA synthetase medium-chain family member 5

Calculated MW:
208 aa, 23 kDa

Observed MW:
60-65 kDa

Purification Method:
Protein G purification

CloneNo.:
2D5D6

Recommended Dilutions:
WB: 1:5000-1:50000
IHC: 1:250-1:1000
IF/ICC: 1:400-1:1600

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human

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 : 4T1 cells, MDA-MB-231 cells, rat liver tissue

IHC : human liver cancer tissue,

IF/ICC : HepG2 cells,

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
Han Zhang	42533568	FASEB J	
Chenglu He	41273635	Appl Biochem Biotechnol	WB,IHC

Storage

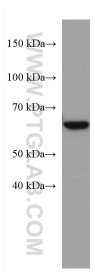
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

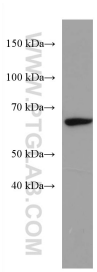
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

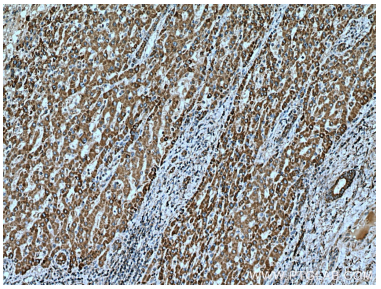
Selected Validation Data



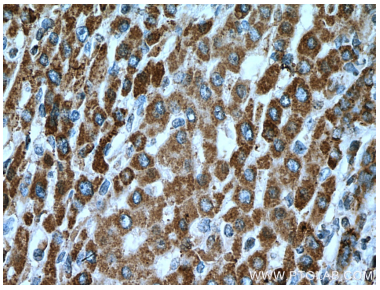
4T1 cells were subjected to SDS PAGE followed by western blot with 67334-1-Ig (ACSM5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



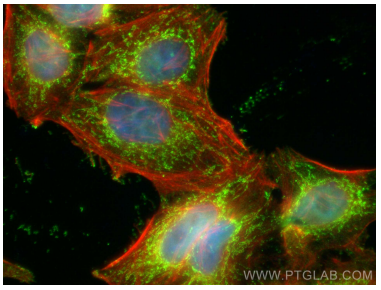
rat liver tissue were subjected to SDS PAGE followed by western blot with 67334-1-Ig (ACSM5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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).