

For Research Use Only

ACSM5 Recombinant antibody

Catalog Number: 84444-1-RR



Basic Information

Catalog Number:

84444-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9373

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 A purification

CloneNo.:

241400E7

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, FC (Intra), 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, rat liver tissue, human kidney
tissue

IHC : mouse liver tissue,

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.

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:

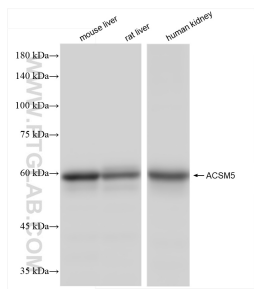
T: 4006900926

E: Proteintech-CN@ptglab.com

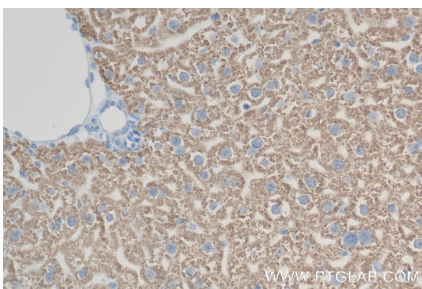
W: ptgcn.com

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

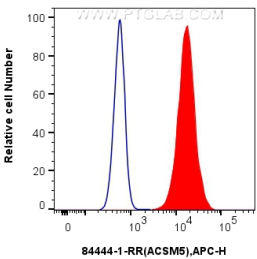
Selected Validation Data



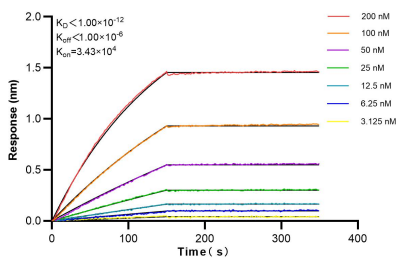
Various lysates were subjected to SDS PAGE followed by western blot with 84444-1-RR (ACSM5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84444-1-RR (ACSM5 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug ACSM5 Recombinant antibody (84444-1-RR, Clone:241400E7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bioluminescence resonance energy transfer (BLI) kinetic assays of 84444-1-RR against Human ACSM5 were performed. The affinity constant is below 1 pM.