

For Research Use Only

ACSM5 Recombinant antibody, PBS Only

Catalog Number: 84444-1-PBS



Basic Information

Catalog Number:

84444-1-PBS

Concentration:

1 mg/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

Applications

Tested Applications:

WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

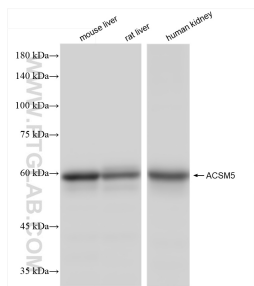
T: 4006900926

E: Proteintech-CN@ptglab.com

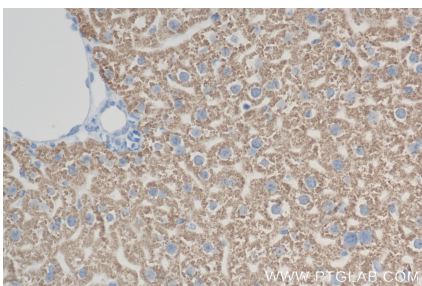
W: ptgcn.com

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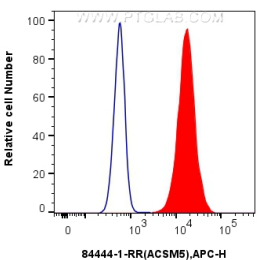
Selected Validation Data



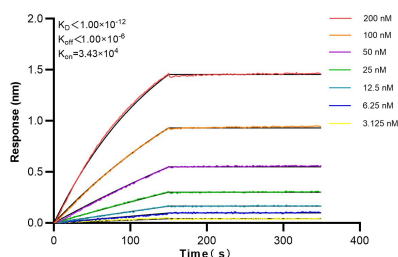
Various lysates were subjected to SDS PAGE followed by western blot with 84444-1-RR (ACSM5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84444-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84444-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84444-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84444-1-RR against Human ACSM5 were performed. The affinity constant is below 1 pM.