

For Research Use Only

ACSM5 Recombinant antibody

Catalog Number: 84444-1-RR



Basic Information

Catalog Number:

84444-1-RR

Size:

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

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: mouse liver tissue, rat liver tissue, human kidney 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

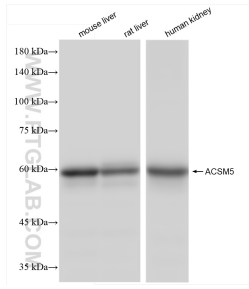
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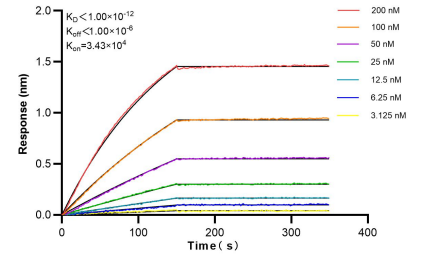
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Selected Validation Data



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.

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).



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