

For Research Use Only

ACSM5 Recombinant monoclonal antibody

Catalog Number: 84444-1-RR



Basic Information

Catalog Number: 84444-1-RR	GenBank Accession Number: BC016703	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 54988	CloneNo.: 241400E7
Source: Rabbit	UNIPROT ID: Q6NUN0	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:250-1:1000 FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: acyl-CoA synthetase medium-chain family member 5	
Immunogen Catalog Number: AG9373	Calculated MW: 208 aa, 23 kDa	
	Observed MW: 60-65 kDa	

Applications

Tested Applications: WB, IHC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse liver tissue, rat liver tissue, human kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse liver tissue,
	FC (Intra) : 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.

Storage

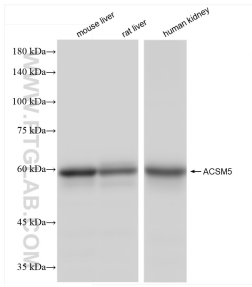
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

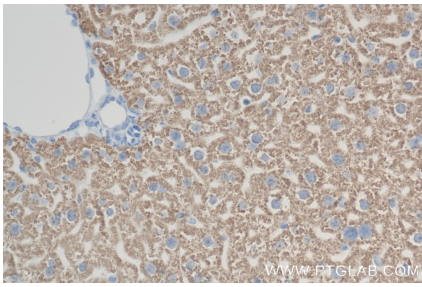
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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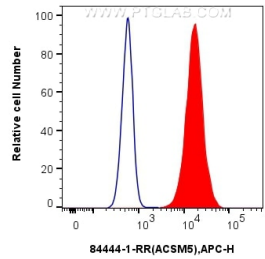
Selected Validation Data



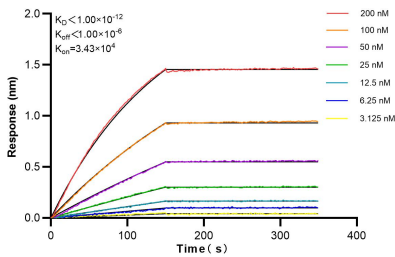
Various lysates were subjected to SDS PAGE followed by western blot with 84444-1-RR (ACSM5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.



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