

For Research Use Only

ACSS2 Recombinant antibody

Catalog Number:84774-7-RR



Basic Information

Catalog Number:

84774-7-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9121

GenBank Accession Number:

BC010141

GeneID (NCBI):

55902

UNIPROT ID:

Q9NR19

Full Name:

acyl-CoA synthetase short-chain family member 2

Calculated MW:

701 aa, 79 kDa

Observed MW:

79 kDa

Purification Method:

Protein A purification

CloneNo.:

242253C6

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HepG2 cells, Caco-2 cells, mouse liver tissue, rat liver tissue, mouse brain tissue, rat brain tissue

Background Information

Acetyl-CoA Synthetase 2 (ACSS2) is also named as acyl-CoA synthetase short-chain family member 2. Acetyl-CoA Synthetase 2 (ACSS2) is responsible for lipogenesis by synthesizing acetyl-CoA from acetate for lipogenesis and promotes acetylation in nuclear (PMID: 29444517). It is also required for cell migration and invasion in renal cell carcinoma (RCC) through the promotion of autophagy (PMID: 29281714).

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:

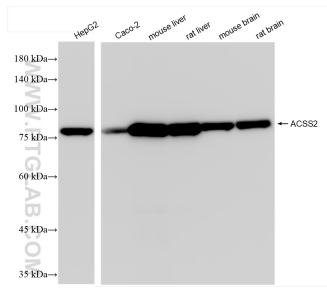
T: 4006900926

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.

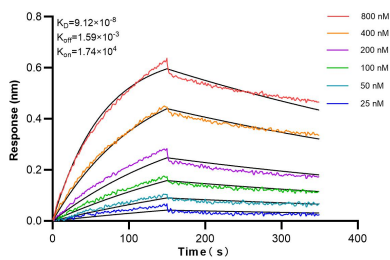
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84774-7-RR (ACSS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

1x10⁶ Caco-2 cells were intracellularly stained with 0.25 ug ACSS2 Recombinant antibody (84774-7-RR, Clone:242253C6) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug ACSS2 Recombinant antibody (84774-7-RR, Clone:242253C6) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84774-7-RR against Human ACSS2 were performed. The affinity constant is 91.2 nM.