

For Research Use Only

# ACSS2 Recombinant antibody, PBS Only

Catalog Number: 84774-7-PBS



## Basic Information

Catalog Number:

84774-7-PBS

Size:

1 mg/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

## Applications

Tested Applications:

WB, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse, rat

## 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 -80°C.

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

Storage Buffer:

PBS Only

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

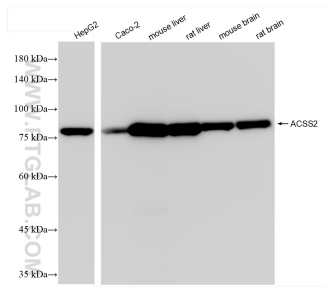
T: 4006900926

E: Proteintech-CN@ptglab.com

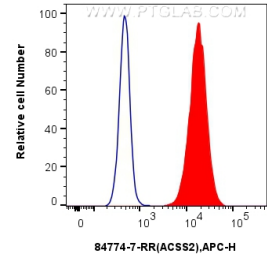
W: ptgcn.com

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

## Selected Validation Data

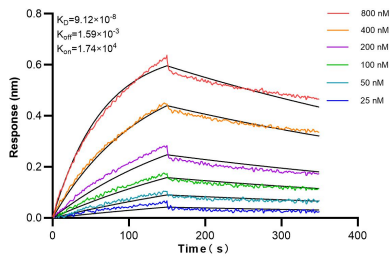


1x10<sup>6</sup> Caco-2 cells were intracellularly stained with 0.25 ug ACSS2 Recombinant antibody (84774-7-RR, Clone:242253C6) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84774-7-PBS in a different storage buffer



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. This data was developed using the same antibody clone with 84774-7-PBS in a different storage buffer formulation.

1x10<sup>6</sup> 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). This data was developed using the same antibody clone with 84774-7-PBS in a different storage buffer



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