

ACSS3 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8579c

Specification

ACSS3 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q9H6R3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	74778
Antigen Region	224-251

ACSS3 Antibody (Center) - Additional Information

Gene ID 79611

Other Names

Acyl-CoA synthetase short-chain family member 3, mitochondrial, Acyl-CoA synthetase short-chain family member 3, ACSS3

Target/Specificity

This ACSS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 224-251 amino acids from the Central region of human ACSS3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ACSS3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ACSS3 Antibody (Center) - Protein Information

Name ACSS3

Function Catalyzes the synthesis of acetyl-CoA from short-chain fatty acids (PubMed:[28003429](#)).

Propionate is the preferred substrate (PubMed:[28003429](#)). Can utilize acetate and butyrate with a much lower affinity (By similarity).

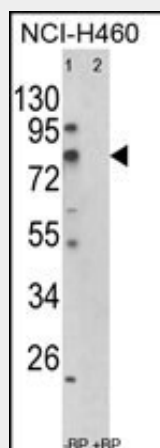
Cellular Location

Mitochondrion matrix

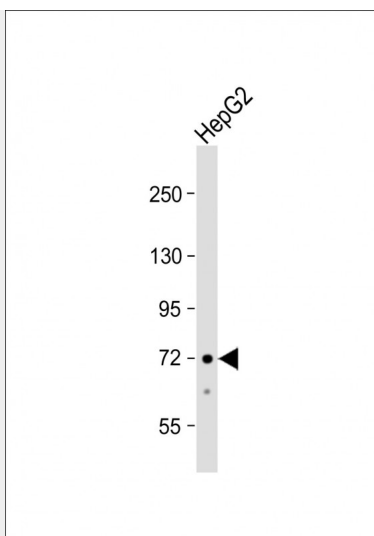
ACSS3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACSS3 Antibody (Center) - Images

Western blot analysis of ACSS3 Antibody (Center) (Cat. #AP8579c) in NCI-H460 cell line lysates (35ug/lane). ACSS3 (arrow) was detected using the purified Pab.(2ug/ml)



Anti-ACSS3 Antibody (Center) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 75 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

ACSS3 Antibody (Center) - Background

ACSS3 activates acetate so that it can be used for lipid synthesis or for energy generation.

ACSS3 Antibody (Center) - References

Watkins,P.A., Maiguel,D., et.al., J. Lipid Res. 48 (12), 2736-2750 (2007)