

# ACSS3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8579c

## Product Information

---

Application	WB, E
Primary Accession	<a href="#">Q9H6R3</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22020
Calculated MW	74778
Antigen Region	224-251

## 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.

## Protein Information

---

Name	ACSS3
Function	Catalyzes the synthesis of acetyl-CoA from short-chain fatty acids (PubMed: <a href="#">28003429</a> ). Propionate is the preferred substrate (PubMed: <a href="#">28003429</a> ). Can utilize acetate and butyrate with a much lower affinity (By similarity).

## Background

---

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

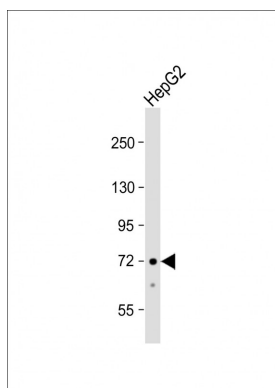
## References

---

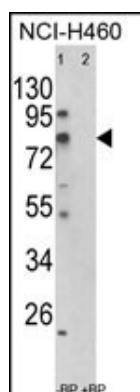
Watkins,P.A., Manguel,D., et.al., J. Lipid Res. 48 (12), 2736-2750 (2007)

## Images

---



Anti-ACSS3 Antibody (Center) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg 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.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.