

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

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**ACSS3 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9H6R3</a>
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

**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**

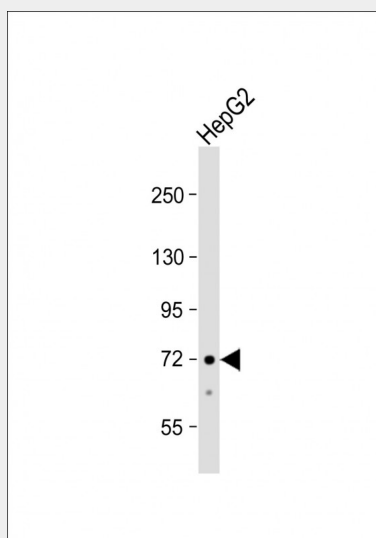
Mitochondrion matrix

#### **ACSS3 Antibody (Center) - Protocols**

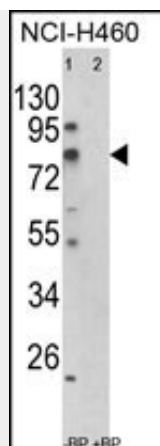
Provided below are standard protocols that you may find useful for product applications.

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

#### **ACSS3 Antibody (Center) - Images**



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 (35ug/lane). ACSS3 (arrow) was detected using the purified Pab.(2ug/ml)

#### **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)