

**ACSS3 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8579c****Specification**

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**ACSS3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9H6R3](#)**ACSS3 Antibody (Center) Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP8579c](/products/AP8579c) was selected from the Center region of human ACSS3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ACSS3 Antibody (Center) Blocking Peptide - Protein Information****Name** ACSS3**Function**

Catalyzes the synthesis of acetyl-CoA from short-chain fatty acids (PubMed: [28003429](http://www.uniprot.org/citations/28003429)). Propionate is the preferred substrate (PubMed: [28003429](http://www.uniprot.org/citations/28003429)). Can utilize acetate and butyrate with a much lower affinity (By similarity).

**Cellular Location**

Mitochondrion matrix

**ACSS3 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ACSS3 Antibody (Center) Blocking Peptide - Images****ACSS3 Antibody (Center) Blocking Peptide - Background**

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

**ACSS3 Antibody (Center) Blocking Peptide - References**

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