

SAH Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6953b**Specification**

SAH Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q53FZ2](#)**SAH Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6296**Other Names**

Acyl-coenzyme A synthetase ACSM3, mitochondrial, Acyl-CoA synthetase medium-chain family member 3, Butyrate--CoA ligase 3, Butyryl-coenzyme A synthetase 3, Middle-chain acyl-CoA synthetase 3, Protein SA homolog, ACSM3, SAH

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6953b](/products/AP6953b) was selected from the C-term region of human SAH. 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.

SAH Antibody (C-term) Blocking Peptide - Protein Information**Name** ACSM3**Synonyms** SAH**Function**

Catalyzes the activation of fatty acids by CoA to produce an acyl-CoA, the first step in fatty acid metabolism (PubMed: <http://www.uniprot.org/citations/11772874> target="_blank">11772874). Capable of activating medium-chain fatty acids with a preference for isobutyrate among fatty acids with 2-6 carbon atoms (By similarity).

Cellular Location

Mitochondrion. Mitochondrion matrix {ECO:0000250|UniProtKB:Q3UNX5}

SAH Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SAH Antibody (C-term) Blocking Peptide - Images

SAH Antibody (C-term) Blocking Peptide - Background

SAH has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy-and 2,3-or 3,4-unsaturated acids (in vitro).

SAH Antibody (C-term) Blocking Peptide - References

Jin,Y., et.al., Hypertension 52 (2), E12-E13 (2008)