

ACSM2A Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18758a**Specification**

ACSM2A Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q08AH3](#)**ACSM2A Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 123876**Other Names**

Acyl-coenzyme A synthetase ACSM2A, mitochondrial, Acyl-CoA synthetase medium-chain family member 2A, Butyrate--CoA ligase 2A, Butyryl-coenzyme A synthetase 2A, Middle-chain acyl-CoA synthetase 2A, ACSM2A, ACSM2, MACS2

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.

ACSM2A Antibody (N-term) Blocking Peptide - Protein Information**Name** ACSM2A**Synonyms** ACSM2, MACS2**Function**

Catalyzes the activation of fatty acids by CoA to produce an acyl-CoA, the first step in fatty acid metabolism (By similarity). Capable of activating medium-chain fatty acids (e.g. butyric (C4) to decanoic (C10) acids), and certain carboxylate-containing xenobiotics, e.g. benzoate (By similarity).

Cellular Location

Mitochondrion {ECO:0000250|UniProtKB:Q68CK6}.

ACSM2A Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ACSM2A Antibody (N-term) Blocking Peptide - Images

ACSM2A Antibody (N-term) Blocking Peptide - Background

ACSM2A 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) (By similarity).

ACSM2A Antibody (N-term) Blocking Peptide - References

Kochan, G., et al. J. Mol. Biol. 388(5):997-1008(2009)Loftus, B.J., et al. Genomics 60(3):295-308(1999)