

ACSM2A Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18758a**Specification**

ACSM2A Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q08AH3
Other Accession	Q68CK6 , NP_001010845.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	64223
Antigen Region	41-67

ACSM2A Antibody (N-term) - 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

Target/Specificity

This ACSM2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-67 amino acids from the N-terminal region of human ACSM2A.

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

ACSM2A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ACSM2A Antibody (N-term) - 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).

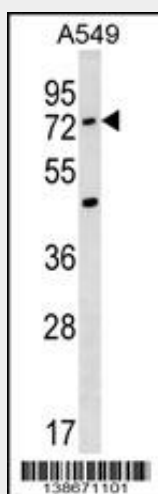
Cellular Location

Mitochondrion {ECO:0000250|UniProtKB:Q68CK6}.

ACSM2A Antibody (N-term) - 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](#)

ACSM2A Antibody (N-term) - Images

ACSM2A Antibody (N-term)(Cat. #AP18758a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the ACSM2A antibody detected the ACSM2A protein (arrow).

ACSM2A Antibody (N-term) - 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) - References

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