

**ACSM4 Antibody(C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19853B****Specification**

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**ACSM4 Antibody(C-term) - Product Information**

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|-------------------|--|
| Application       | WB,E   |
| Primary Accession | <a href="#">P0C7M7</a>   |
| Other Accession   | <a href="#">Q7TN78</a> , <a href="#">Q80W40</a> , <a href="#">NP_001073923.1</a> |
| Reactivity        | Mouse  |
| Predicted         | Rat  |
| Host              | Rabbit   |
| Clonality         | Polyclonal   |
| Isotype           | Rabbit IgG   |
| Calculated MW     | 65703  |
| Antigen Region    | 548-576  |

**ACSM4 Antibody(C-term) - Additional Information****Gene ID** 341392**Other Names**

Acyl-coenzyme A synthetase ACSM4, mitochondrial, Acyl-CoA synthetase medium-chain family member 4, ACSM4

**Target/Specificity**

This ACSM4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 548-576 amino acids from the C-terminal region of human ACSM4.

**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**

ACSM4 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACSM4 Antibody(C-term) - Protein Information****Name** ACSM4

**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 with a preference for C6-12 fatty acids (By similarity).

**Cellular Location**

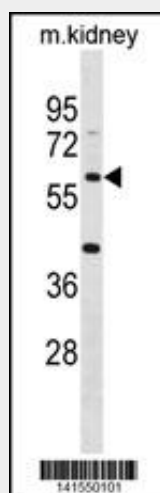
Mitochondrion {ECO:0000250|UniProtKB:Q7TN78}.

**ACSM4 Antibody(C-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](#)

**ACSM4 Antibody(C-term) - Images**



ACSM4 Antibody (C-term) (Cat. #AP19853b) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the ACSM4 antibody detected the ACSM4 protein (arrow).

**ACSM4 Antibody(C-term) - Background**

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).

**ACSM4 Antibody(C-term) - References**

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