

ACSM4 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP19853B

Specification

ACSM4 Antibody(C-term) - Product Information

Application WB,E
Primary Accession POC7M7

Other Accession <u>Q7TN78</u>, <u>Q80W40</u>, <u>NP 001073923.1</u>

Reactivity
Predicted
Rat
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Mouse
Rat
Rabbit
Rabbit
GRAT
Rabbit
FOIyclonal
Rabbit IgG
S703
S48-576

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

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

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



Tel: 858.875.1900 Fax: 858.875.1999

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

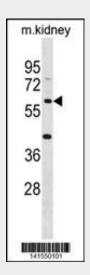
Mitochondrion {ECO:0000250|UniProtKB:Q7TN78}.

ACSM4 Antibody(C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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)