

**ACSM5 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21000c****Specification**

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**ACSM5 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q6NUN0</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	64760

**ACSM5 Antibody (C-term) - Additional Information****Gene ID** 54988**Other Names**

Acyl-coenzyme A synthetase ACSM5, mitochondrial, Acyl-CoA synthetase medium-chain family member 5, ACSM5, MACS3

**Target/Specificity**

This ACSM5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 562-596 amino acids from the C-terminal region of human ACSM5.

**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**

ACSM5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACSM5 Antibody (C-term) - Protein Information****Name** ACSM5**Synonyms** MACS3

**Function** Catalyzes the activation of fatty acids by CoA to produce an acyl-CoA, the first step in fatty acid metabolism.

**Cellular Location**

Mitochondrion matrix {ECO:0000250|UniProtKB:Q91VA0}

**Tissue Location**

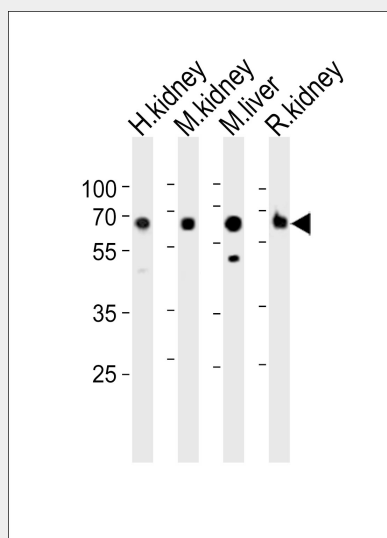
Detected in kidney and liver.

**ACSM5 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](#)

**ACSM5 Antibody (C-term) - Images**



Western blot analysis of lysates from human kidney, mouse kidney, mouse liver, rat kidney tissue lysate (from left to right), using ACSM5 Antibody (C-term)(Cat. #AP21000c). AP21000c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

**ACSM5 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).

**ACSM5 Antibody (C-term) - References**

Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Martin J.,et al.Nature 432:988-994(2004).  
Iwai N.,et al.Hypertension 41:1041-1046(2003).