

# ACSM5 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21000c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q6NUN0</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB51554
<b>Calculated MW</b>	64760

## Additional Information

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<b>Gene ID</b>	54988
<b>Other Names</b>	Acyl-coenzyme A synthetase ACSM5, mitochondrial, Acyl-CoA synthetase medium-chain family member 5, ACSM5, MACS3
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	ACSM5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ACSM5
<b>Synonyms</b>	MACS3
<b>Function</b>	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.

## Background

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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).

## References

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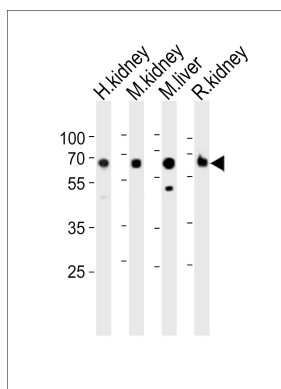
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Martin J.,et al.Nature 432:988-994(2004).

Iwai N.,et al.Hypertension 41:1041-1046(2003).

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.