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ACSM5 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21000c

Product Information

Application	WB, E
Primary Accession	Q6NUN0
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51554
Calculated MW	64760

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.

Protein Information

Name	ACSM5 (HGNC:26060)
Synonyms	MACS3
Function	Acyl-CoA synthetase that catalyzes the ATP-dependent activation of fatty acids to their corresponding acyl-CoA thioesters, the first committed step in

	fatty acid metabolism (By similarity). Negatively regulates lipid accumulation via inhibition of FABP4- PPARgamma signaling (PubMed:37957699).
Cellular Location	Mitochondrion matrix {ECO:0000250|UniProtKB:Q91VA0}
Tissue Location	Detected in kidney and liver.

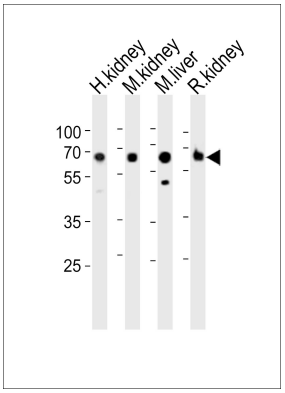
Background

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).

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).

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.

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