

DATASHEET

ACSS1 Mouse Monoclonal Antibody(C2490)

CAT. NO. AMA02102

KEY FEATURES

Target	ACSS1	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Catalyzes the synthesis of acetyl-CoA from short-chain fatty acids . Acetate is the preferred substrate . Can also utilize propionate with a much lower affinity . Provides acetyl-CoA that is utilized mainly for oxidation under ketogenic conditions . Involved in thermogenesis under ketogenic conditions, using acetate as a vital fuel when carbohydrate availability is insufficient .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

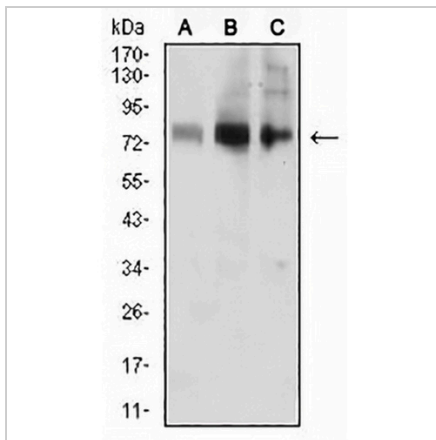
Description	Mouse monoclonal to ACSS1
Specificity	Recognizes endogenous levels of ACSS1 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ACSS1 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 75 kD; Observed: 75 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ACAS2L; KIAA1846; Acetyl-coenzyme A synthetase 2-like, mitochondrial; Acetate--CoA ligase 2; Acetyl-CoA synthetase 2; AceCS2; Acyl-CoA synthetase short-chain family member 1
Gene Symbol	ACSS1
Entrez Gene	84532(Human)
SwissProt	Q9NUB1(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of ACSS1 expression in MOLT4 (A), Jurkat (B), HL60 (C) whole cell lysates. (Predicted band size: 75 kD; Observed band size: 75 kD kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.