

Mouse Anti-Bovine Acyl-CoA Synthetase Medium Chain 3 (ACSM3) Monoclonal Antibody

Cat. No.: VD8N35

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL

Product Overview

BioVenic mouse monoclonal antibody is specific for bovine Acyl-CoA synthetase medium chain 3. It can be applied to WB assay of bovine Acyl-CoA synthetase medium chain 3.

Specifications

Application	WB
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G2N35
Host	Mouse
Target Species	Bovine
Species Reactivity	Bovine
Specificity	Bovine Acyl-CoA Synthetase Medium Chain 3
Isotype	IgG
Immunogen	Purified recombinant bovine Acyl-CoA synthetase medium chain 3 (C-terminus) protein fragments
Concentration	1 mg/mL
Conjugation	Unconjugated
Physical State	Liquid

Target Information

ACSM3 is a crucial enzyme involved in the initial step of fatty acid metabolism, specifically the activation of medium-chain fatty acids. This activation process involves the conversion of free medium-chain fatty acids into their corresponding acyl-CoA esters, which are then utilized in various metabolic pathways, including β -oxidation for energy production and the synthesis of complex lipids. The activity of ACSM3 is essential for maintaining energy homeostasis, as medium-chain fatty acids are an important source of energy.

y, particularly during periods of fasting or increased metabolic demand. Dysregulation of ACSM3 activity may lead to metabolic disorders associated with lipid metabolism.

Target	Bovine Acyl-CoA Synthetase Medium Chain 3
Target Synonym	ACSM3; SAH
Gene ID	533798
UniProt ID	F1MES1

Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C (up to 12 months) on receipt. Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Fujino, Takahiro, *et al.* "Molecular identification and characterization of two medium-chain acyl-CoA synthetases, MACS1 and the S a gene product." *Journal of Biological Chemistry* 276.38 (2001): 35961-35966.

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