

Anti-ACSM2A Antibody



Description

This gene encodes a mitochondrial acyl-coenzyme A synthetase that is specific for medium chain fatty acids. These enzymes catalyze fatty acid activation, the first step of fatty acid metabolism, through the transfer of acyl-CoA. These enzymes also participate in the glycine conjugation pathway in the detoxification of xenobiotics such as benzoate and ibuprofen. Expression levels of this gene in the kidney may be correlated with kidney function. This gene and its paralog ACSM2B (Gene ID: 348158), both present on chromosome 16, likely arose from a chromosomal duplication event.

Model	STJ117758
Host	Rabbit
Reactivity	Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 418-577 of human ACSM2A (NP_001295101.1).
Gene ID	123876
Gene Symbol	ACSM2A
Dilution range	WB 1:200 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Acyl-coenzyme A synthetase ACSM2A mitochondrial
Molecular Weight	64.223 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:32017OMIM:614358Reactome:R-HSA-177128
Alternative Names	Acyl-coenzyme A synthetase ACSM2A mitochondrial
Function	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) ,
Cellular Localization	Mitochondrion matrix

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