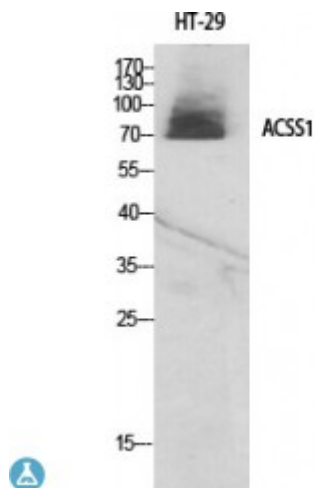


Anti-ACSS1 antibody



Description	Rabbit polyclonal to ACSS1.
Model	STJ91458
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human ACSS1
Immunogen Region	580-660 aa, C-terminal
Gene ID	84532
Gene Symbol	ACSS1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	ACSS1 Polyclonal Antibody detects endogenous levels of ACSS1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Acetyl-coenzyme A synthetase 2-like, mitochondrial Acetate--CoA ligase 2 Acetyl-CoA synthetase 2 AceCS2 Acyl-CoA synthetase short-chain family member 1
Molecular Weight	75 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:16091 OMIM:614355
Alternative Names	Acetyl-coenzyme A synthetase 2-like, mitochondrial Acetate--CoA ligase 2 Acetyl-CoA synthetase 2 AceCS2 Acyl-CoA synthetase short-chain family member 1
Function	Important for maintaining normal body temperature during fasting and for energy homeostasis. Essential for energy expenditure under ketogenic conditions . Converts acetate to acetyl-CoA so that it can be used for oxidation through the tricarboxylic cycle to produce ATP and CO(2).
Cellular Localization	Mitochondrion matrix
Post-translational Modifications	Reversibly acetylated on Lys-642. The acetyl-CoA synthase activity is inhibited by acetylation and activated by deacetylation.

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