
Product Name: ACS1 Rabbit Polyclonal Antibody**Catalog #: APRab06536**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	75kDa

Antigen Information

Gene Name	ACS1 ACS1; ACAS2L; KIAA1846; Acetyl-coenzyme A synthetase 2-like; mitochondrial; Acetate--
Alternative Names	CoA ligase 2; Acetyl-CoA synthetase 2; AceCS2; Acyl-CoA synthetase short-chain family member 1
Gene ID	84532.0
SwissProt ID	Q9NUB1
Immunogen	The antiserum was produced against synthesized peptide derived from human ACS1. AA range:611-660

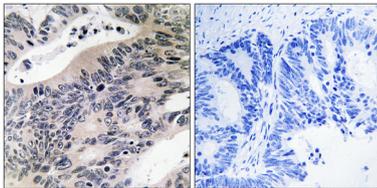
Background

This gene encodes a mitochondrial acetyl-CoA synthetase enzyme. A similar protein in mice plays an important role in the tricarboxylic acid cycle by catalyzing the conversion of acetate to acetyl CoA. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011],catalytic activity:ATP + acetate + CoA = AMP + diphosphate + acetyl-CoA.,function:Converts acetate to acetyl-CoA so that it can be used for oxidation through the tricarboxylic cycle to produce ATP and CO(2).,sequence caution:Sequencing errors.,similarity:Belongs to the ATP-dependent AMP-binding enzyme family.,

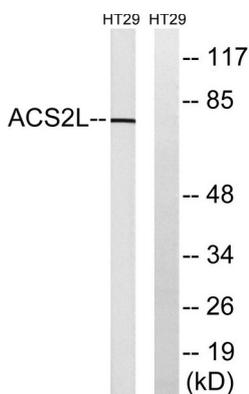
Research Area

Glycolysis / Gluconeogenesis;Pyruvate metabolism;Propanoate metabolism;

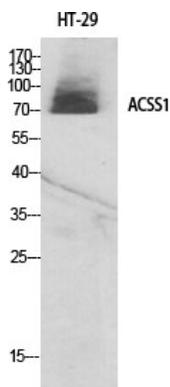
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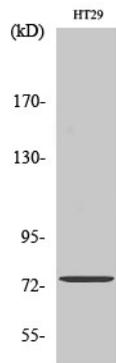
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using ACSS1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HT-29 cells, using ACSS1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using ACSS1 Polyclonal Antibody



Western Blot analysis of HT29 cells using ACS1 Polyclonal Antibody