Best Tools for immunology Research

ACSS1 (Acetyl-K642) Polyclonal Antibody

Catalog No :	YK0085
Reactivity :	Human:K642;Mouse:K635;Rat:K635
Applications :	WB;ELISA
Target :	ACSS1
Fields :	>>Glycolysis / Gluconeogenesis;>>Pyruvate metabolism;>>Glyoxylate and dicarboxylate metabolism;>>Propanoate metabolism;>>Metabolic pathways;>>Carbon metabolism
Gene Name :	ACSS1 ACAS2L KIAA1846
Protein Name :	ACSS1
Human Gene Id :	84532
Human Swiss Prot No :	Q9NUB1
Mouse Swiss Prot No :	Q99NB1
Immunogen :	Synthesized Acetyl peptide derived from human ACSS1. at AA range: K642
Specificity :	This antibody detects endogenous levels of ACSS1 at Human:K642;Mouse:K635;Rat:K635, It doesn't reacte with total protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 75kD

Cell Pathway : Glycolysis / Gluconeogenesis;Pyruvate metabolism;Propanoate metabolism;

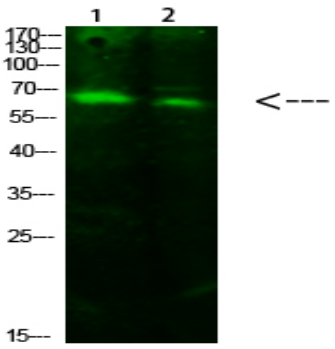
Background : This gene encodes a mitochondrial acetyl-CoA synthetase enzyme. A similar protein in mice plays an important role in the tricarboxylic acid cycle by catalyzing the conversion of acetate to acetyl CoA. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011],

Function : 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.,

Subcellular Location : Mitochondrion matrix .

Expression : Amygdala,Brain,PCR rescued clones,Placenta,Spleen,Stomach,T

Products Images



Western Blot analysis of 1,293T 2,hela cells using primary antibody diluted at 1:1000(4°C overnight). Secondary antibody:Goat Anti-rabbit IgG IRDye 800(diluted at 1:5000, 25°C, 1 hour)