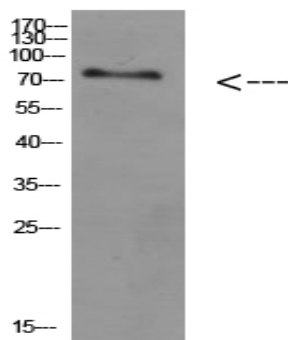


ACSS1 Polyclonal Antibody

Catalog No :	YT5810
Reactivity :	Human;Mouse;Rat
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 :	acyl-CoA synthetase short-chain family member 1
Human Gene Id :	84532
Human Swiss Prot No :	Q9NUB1
Mouse Gene Id :	68738
Mouse Swiss Prot No :	Q99NB1
Immunogen :	Synthetic peptide from human protein at AA range: 620-689
Specificity :	The antibody detects endogenous ACSS1 protein
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000
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)
Observed Band :	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 HEPG2 cells using Antibody diluted at 800. Secondary antibody(catalog#:RS0002) was diluted at 1:20000