

**ACSS1 Polyclonal Antibody**

<b>Catalog No :</b>	YT5810
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	ACSS1
<b>Fields :</b>	>>Glycolysis / Gluconeogenesis;>>Pyruvate metabolism;>>Glyoxylate and dicarboxylate metabolism;>>Propanoate metabolism;>>Metabolic pathways;>>Carbon metabolism
<b>Gene Name :</b>	ACSS1 ACAS2L KIAA1846
<b>Protein Name :</b>	acyl-CoA synthetase short-chain family member 1
<b>Human Gene Id :</b>	84532
<b>Human Swiss Prot No :</b>	Q9NUB1
<b>Mouse Gene Id :</b>	68738
<b>Mouse Swiss Prot No :</b>	Q99NB1
<b>Immunogen :</b>	Synthetic peptide from human protein at AA range: 620-689
<b>Specificity :</b>	The antibody detects endogenous ACSS1 protein
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000, ELISA 1:10000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	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

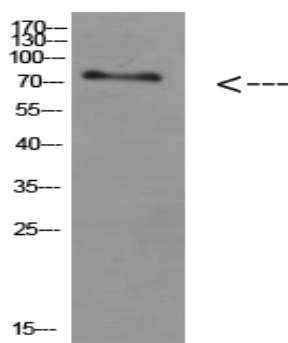
**Sort :** 1673

**No4 :** 1

**Host :** Rabbit

**Modifications :** Unmodified

## Products Images



Western Blot analysis of HEPG2 cells using Antibody diluted at 800. Secondary antibody(catalog#:RS0002) was diluted at 1:20000