

**ACSS2 (Acetyl Lys418) rabbit pAb**

<b>Catalog No :</b>	YK0097
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	ACSS2
<b>Fields :</b>	>>Glycolysis / Gluconeogenesis;>>Pyruvate metabolism;>>Glyoxylate and dicarboxylate metabolism;>>Propanoate metabolism;>>Metabolic pathways;>>Carbon metabolism
<b>Gene Name :</b>	ACSS2 ACAS2
<b>Protein Name :</b>	ACSS2 (Acetyl Lys418)
<b>Human Gene Id :</b>	55902
<b>Human Swiss Prot No :</b>	Q9NR19
<b>Mouse Gene Id :</b>	60525
<b>Mouse Swiss Prot No :</b>	Q9QXG4
<b>Immunogen :</b>	Synthesized peptide derived from human ACSS2 (Acetyl Lys418)
<b>Specificity :</b>	This antibody detects endogenous levels of Human,Mouse ACSS2 (Acetyl Lys418)
<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 1:1000-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

**Concentration :** 1 mg/ml**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)**Observed Band :** 80kD**Background :**

This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. The protein acts as a monomer and produces acetyl-CoA from acetate in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory element-binding proteins, transcription factors that activate genes required for the synthesis of cholesterol and unsaturated fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2009],

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**Function :**

catalytic activity:ATP + acetate + CoA = AMP + diphosphate + acetyl-CoA.,function:Activates acetate so that it can be used for lipid synthesis or for energy generation.,similarity:Belongs to the ATP-dependent AMP-binding enzyme family.,subunit:Monomer.,

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**Subcellular Location :** Cytoplasm, cytosol .

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