

## Product datasheet for **AP20096BT-N**

### Acetyl CoA synthetase (ACSS2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IP, R, WB
Recommended Dilution:	This product is intended for use in precipitating and non-precipitating antibody-binding assays such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques (1/1,000-1/10,000).
Reactivity:	Bakers Yeast
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Purified S-Acetyl Coenzyme A Synthetase from baker's Yeast
Specificity:	<p>The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and Enzyme Inhibition.</p> <p>Cross-reactivities against enzymes of other sources may occur but have not been determined.</p>
Formulation:	<p>PBS, pH 7.2 without preservatives and foreign proteins.</p> <p>Label: Biotin</p> <p>State: Lyophilized IgG fraction.</p> <p>Label: <b>Conjugation Procedure:</b> A proprietary technique for the binding to biotin is used, followed by several purification steps. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life</p> <p>Molar ratio: ~5.5</p>
Reconstitution Method:	Restore by adding 1.0 ml of sterile distilled water.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography.
Conjugation:	Biotin



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<b>Storage:</b>	Store the antibody lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer. If a slight precipitation occurs upon storage, this should be removed by centrifugation.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	acyl-CoA synthetase short-chain family member 2
<b>Database Link:</b>	<a href="#">Entrez Gene 55902 Human Q9NR19</a>
<b>Background:</b>	Acetyl Coenzyme A Synthetase is a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. It 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. Two transcript variants encoding different isoforms have been found for this gene.
<b>Synonyms:</b>	ACAS2, ACSA
<b>Protein Pathways:</b>	Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism