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Product datasheet for AP20096AF-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:	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. Cross-reactivities against enzymes of other sources may occur but have not been determined.
Formulation:	PBS, pH 7.2 without preservatives and foreign proteins. State: Azide Free State: Lyophilized IgG fraction.
Reconstitution Method:	Restore by adding 1.0 ml of sterile distilled water.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography.
Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Gene Name:	acyl-CoA synthetase short-chain family member 2

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Database Link:	Entrez Gene 55902 Human Q9NR19
Background:	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.
Synonyms:	ACAS2, ACSA
Protein Pathways:	Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism