

Product datasheet for **TA503611AM**

Acetyl CoA synthetase (ACSS2) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2E1]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2E1 |
| Applications: | WB |
| Recommended Dilution: | WB 1:2000 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human ACSS2(NP_061147) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 78.4 kDa |
| Gene Name: | acyl-CoA synthetase short chain family member 2 |
| Database Link: | NP_061147 Entrez Gene 60525 Mouse Entrez Gene 311569 Rat Entrez Gene 55902 Human Q9NR19 |



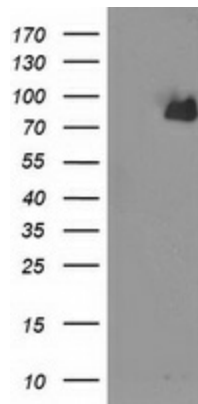
[View online »](#)

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]

Synonyms: ACAS2; ACECS; ACS; ACSA; dj1161H23.1

Protein Pathways: Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ACSS2 ([RC204260], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ACSS2. Positive lysates [LY412981] (100ug) and [LC412981] (20ug) can be purchased separately from OriGene.