

## Product datasheet for **TA503608AM**

### Acetyl CoA synthetase (ACSS2) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI3G3]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI3G3  |
| 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:          | <a href="#">NP_061147</a><br><a href="#">Entrez Gene 60525 Mouse</a> <a href="#">Entrez Gene 311569 Rat</a> <a href="#">Entrez Gene 55902 Human</a><br><a href="#">Q9NR19</a> |



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**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]

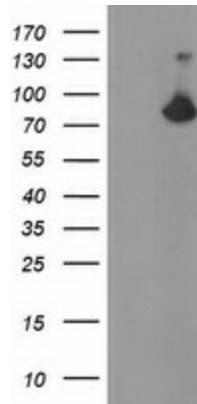
**Synonyms:**

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.