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Product datasheet for TA503607BM

Acetyl CoA synthetase (ACSS2) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI2E10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2E10
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.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
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 MouseEntrez Gene 311569 RatEntrez Gene 55902 Human Q9NR19

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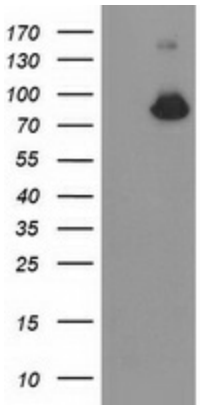
Background: This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. The protein acts as a monomer and produces acetyl-CoA from acetate in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory element-binding 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.