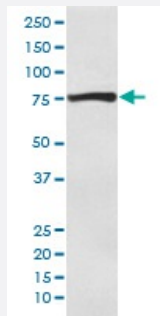


ACSS2 monoclonal antibody, clone IEF-1

Catalog # MAB19521 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HepG2 cell lysate with ACSS2 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ACSS2.
Immunogen	A synthetic peptide corresponding to human ACSS2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HepG2 cell lysate with ACSS2 monoclonal antibody.

- Immunocytochemistry

- Immunofluorescence

Gene Info — ACSS2

Entrez GeneID [55902](#)

Protein Accession# [Q9NR19](#)

Gene Name ACSS2

Gene Alias ACAS2, ACS, ACSA, AceCS, DKFZp762G026, dJ1161H23.1

Gene Description acyl-CoA synthetase short-chain family member 2

Omim ID [605832](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000030712|OTTHUMP00000030713|OTTHUMP00000030714|OTTHUMP00000030715|OTTHUMP00000030716|acetate thiokinase|acetate-CoA ligase|acetyl-CoA synthetase|acetyl-Coenzyme A synthetase 2 (ADP forming)|acyl-activating enzyme|cytoplasmic acetyl-coenzyme A sy

Pathway

- [Glycolysis / Gluconeogenesis](#)

- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Pyruvate metabolism](#)
- [Reductive carboxylate cycle \(CO₂ fixation\)](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)