ACSS2 rabbit monoclonal antibody

Catalog # H00055902-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ACSS2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ACSS2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ACSS2 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — ACSS2

Entrez GeneID	55902
GeneBank Accession#	ACSS2
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