# 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
lsotype	lgG
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	<ol> <li>Customer may provide cell or tissue lysate for antibody screening.</li> <li>Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding F(ab)<sub>2</sub>, IgG, scFv and different Fc and non-Fc conjugates per customer request.</li> </ol>

## Applications

• Western Blot (Transfected lysate)

Protocol Download



• ELISA

### Gene Info — ACSS2

Entrez GenelD	<u>55902</u>
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	<u>605832</u>
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synth esis and energy generation. The protein acts as a monomer and produces acetyl-CoA from aceta te in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory eleme nt-binding proteins, transcription factors that activate genes required for the synthesis of cholester ol and unsaturated fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	OTTHUMP00000030712 OTTHUMP00000030713 OTTHUMP00000030714 OTTHUMP000000 30715 OTTHUMP00000030716 acetate thiokinase acetate-CoA ligase acetyl-CoA synthetase ac etyl-Coenzyme A synthetase 2 (ADP forming) acyl-activating enzyme cytoplasmic acetyl-coenzym e A sy

## Pathway

- <u>Glycolysis / Gluconeogenesis</u>
- <u>Metabolic pathways</u>
- Propanoate metabolism
- Pyruvate metabolism
- <u>Reductive carboxylate cycle (CO2 fixation)</u>

#### Disease

😵 Abnova

- <u>Cardiovascular Diseases</u>
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease