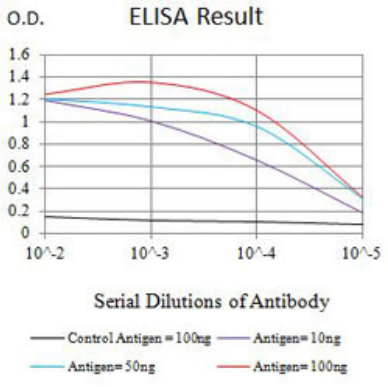
ACSS1 monoclonal antibody, clone 4E12F1

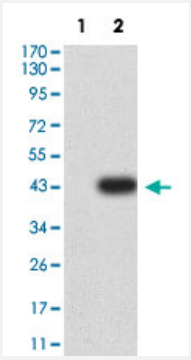
Catalog # MAB21489 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with ACSS1 monoclonal antibody, clone 4E12F1 (Cat # MAB21489).



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: ACSS1-hIgGFc transfected HEK293 cell lysates with ACSS1 monoclonal antibody, clone 4E12F1 (Cat # MAB21489).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ACSS1.
Immunogen	Recombinant protein corresponding to amino acids 548-689 of human ACSS1.
Host	Mouse
Theoretical MW (kDa)	74.8
Reactivity	Human
Form	Liquid

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Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis with ACSS1 monoclonal antibody, clone 4E12F1 (Cat # MAB21489).

- Western Blot (Transfected lysate)

  Western Blot analysis of Lane 1: HEK293 and Lane 2: ACSS1-hIgGFc transfected HEK293 cell lysates with ACSS1 monoclonal antibody, clone 4E12F1 (Cat # MAB21489).

Gene Info — ACSS1

Entrez GeneID	84532
Protein Accession#	Q9NUB1
Gene Name	ACSS1
Gene Alias	ACAS2L, AceCS2L, FLJ45659, MGC33843
Gene Description	acyl-CoA synthetase short-chain family member 1
Gene Ontology	Hyperlink
Gene Summary	An acetyl-CoA synthetase found in the mitochondrial matrix has been characterized in both cow a nd mouse. It is primarily a cardiac enzyme which produces acetyl-CoA mainly for the oxidation of acetate. The protein encoded by this gene is structurally similar to the cow and mouse proteins an d therefore may serve a similar function in humans. [provided by RefSeq
Other Designations	OTTHUMP00000030466|OTTHUMP00000030470|OTTHUMP00000030471|OTTHUMP000000 30472|acetyl-Coenzyme A synthetase 2 (AMP forming)-like

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Pathway

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

Disease

- Cerebral Hemorrhage
- Chronic Disease
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Kidney Diseases
- Stroke
- Subarachnoid Hemorrhage
- Tobacco Use Disorder

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