

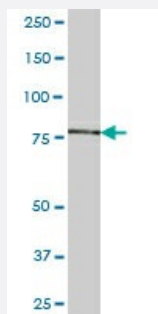
MaxPab®

ACSS2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00055902-B01P

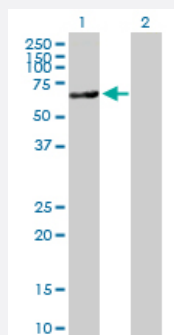
Size 50 ug

Applications



Western Blot (Tissue lysate)

ACSS2 MaxPab polyclonal antibody. Western Blot analysis of ACSS2 expression in human spleen.



Western Blot (Transfected lysate)

Western Blot analysis of ACSS2 expression in transfected 293T cell line ([H00055902-T01](#)) by ACSS2 MaxPab polyclonal antibody.

Lane 1: ACSS2 transfected lysate(66.66 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ACSS2 protein.

Immunogen

ACSS2 (AAH98422.1, 1 a.a. ~ 606 a.a) full-length human protein.

Sequence	MKGATTNICYNVLDNRNVHEKKLGDKVAFYWEGNEPGETTQITYHQLLVQVCQFSNVLRKQGIQKG DRVAIMPMIPELVVAMLACARIGALHSIVFAGFSSESLCERILDSSCSLLITDAFYRGEKLVNLKE LADEALQKCQEKGFVRCCMVVHLGRAELGMGDSTSQSPPIKRSCPVDQISWNQGIDLWWHEL MQEAGDECEPEWCDAEDPLFILYTSGSTGKPKGVVHTVGGYMLYVATTFKYVDFHAEDVFWCT ADIGWITGHSYVTYGPLANGATSVLFEGIPTYPDVNRLWSIVDKYKVTKFYTAPTAIRLLMKFGDEPV TKHSRASLQVLGTVGEPINPEAWLWYHRVVGAAQRCPIVDTFWQTETGGHMLTPLGATPMKPGS ATFPFFGVAPAILNESGEELEGEAEGYL VFKQPWPGIMRTVYGNHERFETTYFKKFPGYVTGDG CQRDQDGYWITGRIDDMLNVSGHLLSTA EVESALVEHEAVAEAAVVGHPPVKGECLYCFVTL CDGHTFSPKLTEELKKQIREKIGPIATPDYIQNAPGLPKTRSGKIMRRVLRKIAQNDHDLGDMSTVA DPSVISHLFSHRCLTIQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

ACSS2 MaxPab polyclonal antibody. Western Blot analysis of ACSS2 expression in human spleen.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ACSS2 expression in transfected 293T cell line ([H00055902-T01](#)) by ACSS2 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — ACSS2

Entrez GeneID [55902](#)

GeneBank Accession# [NM_139274.1](#)

Protein Accession#	AAH98422.1
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 synthetase 2

Pathway

- [Glycolysis / Gluconeogenesis](#)
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- [Propanoate metabolism](#)
- [Pyruvate metabolism](#)
- [Reductive carboxylate cycle \(CO2 fixation\)](#)

Disease

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