

DNAXPab

Hard-to-Find
Antibody

ACSS2 DNAXPab

Catalog # H00055902-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ACSS2 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MGLPEERVRSRSGSRGQEEAGAGGRARSWSPPEVSRSAHVPSLQRYRELHRRSVEEPREFW GDIKEFYWKTPCPGPFLRYNFDVTKGKIFIEWMKGATTNICYNVLDNRVHEKKLGDKVAFYWEG NEPGETTQITYHQLLVQVCQFSNVLRKQGIQKGDRVAMMPMIPELVVAMLACARIGALHSIVFAGF SSESLCERILDSSCSLLITDAFYRGEKLVNLKELADEALQKCQEKGFVPRCCIVKHLGRAELGM GDSTSQSPPIKRSCPDVQISWNQGIDLWWHELMQEAGDECEPEWCDAEDPLFILYTSGSTGKPK GVVHTVGGYMLYVATTFKYVDFHAEDVFWCTADIGWITGHSYVYGPLANGATSVLFEGIPTYPD VNRLWSVDKYKVTKFYTAPTAIRLLMKFGDEPVTKHSRASLQVLGTVGEPINPEAWLWYHRVVG AQRCPVDTFWQTETGGHMLTPLGATPMKPGSATFPFFGVAPAILNESGEELEGEAEGYLVFKQ PWPGIMRTVYGNHERFETTYFKKFPGYVTGDGCQRDQDGYWITGRIDDMLNVSGHLLSTA EVE SALVEHEAVAEAAVVGHPPVKGECLYCFFTLCDGHTFSPKLTEELKKQIREKIGPIATPDYIQNAP GLPKTRSGKIMRRVLRKIAQNDHDLGDMSTVADPSVISHLFSHRCLTIQ
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — ACSS2

Entrez GeneID [55902](#)

GeneBank Accession# [BC012172.1](#)

Protein Accession# [AAH12172.1](#)

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 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](#)