

DNAxPAb

Hard-to-Find
Antibody

ACSL5 DNAxPab

Catalog # H00051703-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human ACSL5 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MDALKPPCLWRNHERGKKDRDSCGRKNSEPGSPHSLEALRDAAPSQGLNLLLLFTKMLFIFNFL
FSPLPTPALICILTFGAAIFLWLITRPQPVLPDLLNNQSVGIEGGARKGVSQKNNDLTSCCFSDAKT
MYEVFQRGLAVSDNGPCLGYRKPNQPYRWLSYKQVSDRAEYLGSCLLHKGYSKSSPDQFVGIFAQ
NRPEWISLACYTYSMAVPLYDTLGPEAVHVNKADIAMVICDTPQKALVLIGNVEKGFTPSLKVII
LMDPFDDDLKQRGEKSGIEILSLYDAENLGKEHFRKPVPPSPEDLSVICFTSGTTGDPKGAMITHQ
NIVSNAAAFKCV EHA YEPTDDVAISYLPLAHMFERIVQAVVYSCGARVGFFQGDIRLLADDMKT
LKPTLFAVPRLNRIYDKVQNEAKTPLKKFLLKLAVSSKFELQKGIIRHDSFWDKLIFAKIQDSL
GRVRVITGAAPMSTSVMTFFRAAMGCQVYEAYGQTECTGGCTFTLPGDWTSGHVGVPACNY
VKLEDVADMNYFTVNNEGEVCIKGTNVFKGYLKDPEKTQEALDSDGWLHTGDIGRWLPNGTLKIID
RKKNIFKLAQGEYIAPEKIENINRSQPVLQIFVHGESLRSSLVGVVVPD TDVLPSFAAKLGVKGSF
EELCQNQVVREAILEDLQIGKESGLKTFEQVKAIFLHPEPFSIENGLLTPTLKAKRGELSKYFRTQI
DSL YEHIQD

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 — ACSL5

Entrez GeneID [51703](#)

GeneBank Accession# [NM_016234.3](#)

Protein Accession# [NP_057318.2](#)

Gene Name ACSL5

Gene Alias ACS2, ACS5, FACL5

Gene Description acyl-CoA synthetase long-chain family member 5

Omim ID [605677](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme is highly expressed in uterus and spleen, and in trace amounts in normal brain, but has markedly increased levels in malignant gliomas. This gene functions in mediating fatty acid-induced glioma cell growth. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations FACL5 for fatty acid coenzyme A ligase 5|OTTHUMP00000020489|OTTHUMP00000020490|fatty acid coenzyme A ligase 5|fatty-acid-Coenzyme A ligase, long-chain 5|long-chain acyl-CoA synthetase 5|long-chain fatty acid coenzyme A ligase 5

Pathway

- [Adipocytokine signaling pathway](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)

- [PPAR signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)