

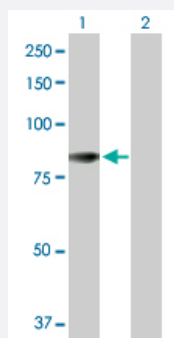
MaxPab®

ACSL5 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00051703-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACSL5 expression in transfected 293T cell line ([H00051703-T01](#)) by ACSL5 MaxPab polyclonal antibody.

Lane 1: ACSL5 transfected lysate(82.30 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ACSL5 protein.

Immunogen

ACSL5 (NP_057318.2, 1 a.a. ~ 739 a.a) full-length human protein.

Sequence

MDALKPPCLWRNHERGKKDRDSCGRKNSEPGSPHSLEALRDAAPSQGLNLLLLFTKMLFIFNFL
FSPLPTPALICILTFGAAIFLWLITRPQPVLPDLLNNQSVGIEGGARKGVSQKNNDLTSCCFSDAKT
MYEVFQRGLAVSDNGPCLGYRKPNQPYRWLSYKQVSDRAEYLGSCLLHKGYSKSSPDQFVGIFAQ
NRPEWIELACYTYSMAVPLYDTLGPEAVHVNKADIAMVICDTPQKALVLIGNVEKGFTPSLKVII
LMDPFDDDLKQRGEKSGIEILSLYDAENLGKEHFRKPVPPSPEDLSVICFTSGTTGDPKGAMITHQ
NIVSNAAFLKCVEHAYEPTDDVAISYLPLAHMFERIVQAVVYSCGARVGFFQGDIRLLADDMKT
LKPTLFPVPRLLNRIYDKVQNEAKTPLKKFLLKLAVSSKFELQKGIIRHDSFWDKLIFAKIQDSL
GRVRVMTGAAPMSTSVMTFFRAAMGCQVYEAYGQTECTGGCTFTLPGDWTSGHVGVPACNY
VKLEDVADMNYFTVNNEGEVCIKGTNVFKGYLKDPEKTQEALDSDGWLHTGDIGRWLPNGTLKIID
RKKNIFKLAQGEYIAPEKIENYNRSQPVQLQIFVHGESLRSSLVGVVVPDTPDLPSFAAKLGVKGSF
EELCQNQVVREAILEDLQKIGKESGLKTFEQVKAIFLHPEPFSIENGLLTPTLKAARGELSKYFRTQI
DSLIEHIQD

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence	Mouse (81); Rat (81)
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.

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[Protocol Download](#)

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]
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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](#)