

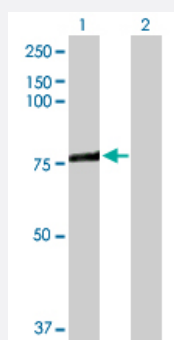
MaxPab®

ACSL3 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002181-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACSL3 expression in transfected 293T cell line ([H00002181-T02](#)) by ACSL3 MaxPab polyclonal antibody.

Lane 1: ACSL3 transfected lysate (80.40 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ACSL3 protein.

Immunogen

ACSL3 (NP_004448.2, 1 a.a. ~ 720 a.a) full-length human protein.

Sequence

MNNHVSSKPSTMKLKHTINPILLYFIHFLISLYTILTYIPFYFFSESREQESNRIKAKPVNSKPDSAYRS
VNSLDGLASVLYPGCDTLKVFYAKNKFKNKRLTGTRVLNEEDEVPNGKIFKKVILGQYNWL
SYEDVFVRAFNFNGNLQMLGQKPKTNIAFCETRAEWMAAQACFMYNFQLVTLATLGGPAMHA
LNETEVTNIITSKELLQTKLKDIVSLVPRLRHIITVDGKPPTWSEFPKGIVHTMAAVEALGAKASMEN
QPHSKPLPSDIAVIMYTSGSTGLPKGVMISHSNIAGITGMAERIPELGEEDVYIGYLPALHVLLELSAE
LVCLSHGCRIGYSSPQTLADQSSKIKKGSKGDTSMKPTLMAAVPEIMDRYKNVMNKVSEMSSF
QRNLFILAYNYKMEQISKGRNTPLCDSFVFRKVRSLGGNIRLLLCGGAPLSATTQRFMNICFCCPV
GQGYGLTESAGAGTISEVWDYNTGRVGAFLVCCEIKLKNWEEGGYFNTDKPHPRGEILIGGQSVT
MGYYKNEAKTKADFFEDENGQRWLCTGDIGEFEPDGCLKIIDRKDLVKLQAGEYVSLGKVEAAL
KNLPLVDNICAYANSYHSYVIGFVVPNQKELTELARKKGLKGTWEELCNSCEMENEVLKVLSEAAI
SASLEKFEIPVKIRLSPEPWTPETGLVTDFAFLKRKELKTHYQADIERMYGRK

Host

Rabbit

Reactivity

Human

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

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[Protocol Download](#)

Gene Info — ACSL3

Entrez GeneID
[2181](#)
GeneBank Accession#
[NM_004457.3](#)
Protein Accession#
[NP_004448.2](#)
Gene Name

ACSL3

Gene Alias

ACS3, FACL3, PRO2194

Gene Description

acyl-CoA synthetase long-chain family member 3

Omim ID
[602371](#)
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 brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000164212|fatty-acid-Coenzyme A ligase, long-chain 3|lignoceroyl-CoA synthase

Pathway

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