

DNAxPAb

Hard-to-Find
Antibody

ACSL3 DNAxPab

Catalog # H00002181-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ACSL3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MNNHVSSKPSTMKLKHTINPILLYFIHFLISLYTILTYIPFYFFSESREQESNRIKAKPVNSKPDSAYRS VNSLDGLASVLYPGCDTLKVFYAKNKFKNKRLLGTREVLNEEDEVPNGKIFKKVILGQYNWL SYEDVVFVRAFNFNGNLQMLGQKPKTNIAIFCETRAEWMIAAQACFMYNFQLVTLYATLGGPAMHA LNETEVTNIITSKELLQTKLKDIVSLVPRLRHIITVDGKPPTWSEFPKGIVHTMAAVEALGAKASMEN QPHSKPLPSDIAVIMYTSGSTGLPKGVMISHSNIAGITGMAERIPELGEEDVYIGYLP LAHVLELSAE LVCLSHGCRIGYSSPQTLADQSSKIKKGSKGDTSMKPTLMAAVPEIMDRYKNVMNKVSEMSSF QRNLFILAYNYKMEQISKGRNTPLCDSFVFRKVRSLGGNIRLLLCGGAPLSATTQRFMNICFCCPV GQGYGLTESAGAGTISEVWDYNTGRVGAPLVCCEIKLKNWEEGGYFNTDKPHPRGEILIGGQSVT MGYYKNEAKTKADFFEDENGQRWLCTGDIGEFEPDGCLKIIDRKKDLVKLQAGEYVSLGKVEAAL KNLPLVDNICAYANSYHSYVIGFVVPNQKELTELARKKGLKGTWEELCNSCEMENEVLKVLSEAAI SASLEKFEIPVKIRLSPEPWTPETGLVTDFAFKLKRKELKTHYQADIERMYGRK
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 — 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](#)