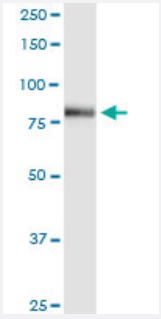
MaxPab®

ACSL3 MaxPab rabbit polyclonal antibody (D01)

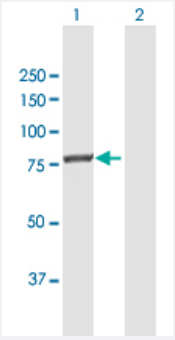
Catalog # H00002181-D01 Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation of ACSL3 transfected lysate using anti-ACSL3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ACSL3 purified MaxPab mouse polyclonal antibody (B01P) (H00002181-B01P).



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(80.4 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.

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Sequence	MNNHVSSKPSTMKLKHTINPILLYFIHFLISLYTILTYIPFYFFSESRQEKSNRIKAKPVNSKPDSAYRS VNSLDGLASVLYPGCDTLDKVFTYAKNKFKNKRLLGTREVLNEEDEVQPNGKIFKKVILGQYNWL SYEDVFVRAFNFGNGLQMLGQKPKTNIAIFCETRAEWMIAAQACFMYNFQLVTLYATLGGPAIVHA LNETEVTNIITSKELLQTKLKDIVSLVPRLRHIITVDGKPPTWSEFPKGIIVHTMAAVEALGAKASMEN QPHSKPLPSDIAVIMYTSGSTGLPKGVMISHSNIIAGITGMAERIPELGEEDVYIGYLPLAHVLELSAE LVCLSHGCRIGYSSPQTLADQSSKIKKGSKGDTSMLKPTLMAAVPEIMDRIYKNVMNKVSEMSSF QRNLFILAYNYKMEQISKGRNTPLCDSFVFRKVRSLLGGNIRLLLCGGAPLSATTQRFMNICFCCPV GQGYGLTESAGAGTISEVWDYNTGRVGAPLVCCEIKLKNWEEGGYFNTDKPHPRGEILIGGQSVT MGYYKNEAKTKADFFEDENGQRWLCTGDIGEFEPDGCLKIIDRKKDLVKLQAGEYVSLGKVEAAL KNLPLVDNICAYANSYHSYVIGFVVPNQKELTELARKKGLKGTWEELCNSCEMENEVLKVLSEAAI SASLEKFEIPVKIRLSPEPWTPETGLVTDAFKLKRKELKTHYQADIERMYGRK
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

  Immunoprecipitation of ACSL3 transfected lysate using anti-ACSL3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ACSL3 purified MaxPab mouse polyclonal antibody (B01P) (H00002181-B01P).

  Protocol Download

- 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(80.4 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

Gene Info — ACSL3

Entrez GeneID	2181
GeneBank Accession#	NM_004457.3
Protein Accession#	NP_004448.2

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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 fa mily. Although differing in substrate specificity, subcellular localization, and tissue distribution, all i sozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby pl ay 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. T he amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript var iants 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

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