



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## ACSL3 purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00002181-B01P

規格 : [ 50 ug ]

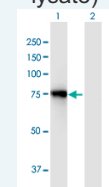
[List All](#)

### Specification

<b>Product Description:</b>	Mouse polyclonal antibody raised against a full-length human ACSL3 protein.
<b>Immunogen:</b>	ACSL3 (NP_004448.2, 1 a.a. ~ 720 a.a) full-length human protein.
<b>Sequence:</b>	MNNHVSSKPSTMKLKHTINPILLYFIHFLISLYTILTYIPFYFFSESRQEKSNIKAKPVNSKPD SAYRSVNSLDGLASVLYPGCDTLDKVFYAKNKFKNKRL LGTREV LNEEDEVQPNGKIFKKVILGQYNWLSYEDVFVRAFNFGNLQMLGQKPKTNIAIFCETRAEWMIAAQACFMYNFQLVTLYATLGGPAIVHALNETVTNIITSKELLQTKLKDIVSLVPRLRHIITVDGKPPTWSEFPKGIVHTMA AVEALGAKASMENQPHSKPLPSDIAVIMYTSGSTGLPKGVMISHSNIAGITGMAERIPELGEEDVYIGYLPLAHVLELSAELVCLSHGCRIGYSSPQTLAD QSSKIKKGSKGDTSMLKPTLMAAVPEIMDRIYKNVMNKVSEMSFQRNLFILAYNYKMEQISKGRNTPLCDSFVFRKVRSLGGNIRLLLCGGAPLSATTQRFMNICFCPPVGGQGYGLTESAGAGTISEVWDYNTGRVGAPLVCCEIKLNVEEGGYFNTDKPHPRGEILIGGQSVTMGYKNEAKTKADFFEDENGQRWLCTGDIGEFEPDGCLKIIDRKKDLVKLQAGEYVSLGKVEAALKNLPLVDNICAYANSYHSYVIGFVVPNQKELTELARKKGLKGTWEELCNCEMENEVLKVLSEAAISASLEKFEIPVKIRLSPEPWTPETGLVTDADFVKLRKELKTHYQADIERMYGRK
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Quality Control Testing:</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer:</b>	In 1x PBS, pH 7.4
<b>Storage Instruction:</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>MSDS:</b>	 <a href="#">Download</a>
<b>Datasheet:</b>	 <a href="#">Download</a>

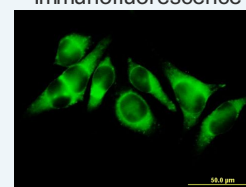
### Application Image


Western Blot (Transfected lysate)



 [enlarge](#)

Immunofluorescence



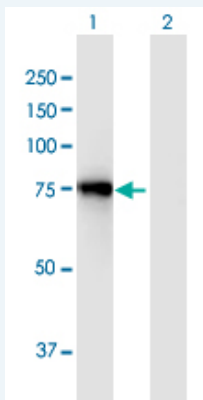
 [enlarge](#)

### Publication Reference

- [Acyl-CoA synthetase 3 promotes lipid droplet biogenesis in ER microdomains.](#) Kassan A, Herms A, Fernandez-Vidal A, Bosch M, Schieber NL, Reddy BJ, Fajardo A, Gelabert-Baldrich M, Tebar F, Enrich C, Gross SP, Parton RG, Pol AJ Cell Biol. 2013 Dec 23;203(6):985-1001. doi: 10.1083/jcb.201305142.
- [Activation of LXR increases acyl-CoA synthetase activity through direct regulation of ACSL3 in human placental trophoblast cells.](#) Weedon-Fekjaer MS, Dalen KT, Solaas K, Staff AC, Duttaroy AK, Nebb H. J Lipid Res. 2010 Jul;51(7):1886-96. Epub 2010 Mar 10.

### Applications

Western Blot (Transfected lysate)

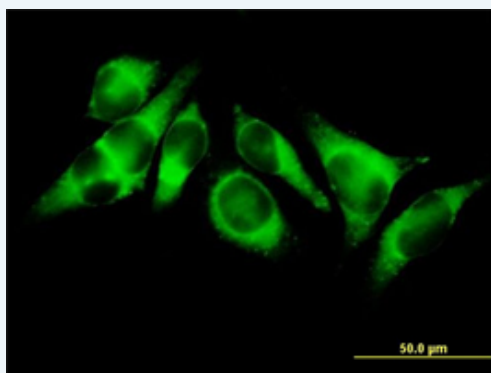


Western Blot analysis of ACSL3 expression in transfected 293T cell line ([H00002181-T01](#)) by ACSL3 MaxPab polyclonal antibody.

Lane 1: ACSL3 transfected lysate(79.2 KDa).  
Lane 2: Non-transfected lysate.

[Protocol Download](#)

### Immunofluorescence



enlarge this image

Immunofluorescence of [purified](#) MaxPab antibody to ACSL3 on HeLa cell. [antibody concentration 10 ug/ml]

[Protocol Download](#)

### Gene Information

Entrez GeneID: [2181](#)

GeneBank [NM\\_004457.3](#)  
Accession#:

Protein [NP\\_004448.2](#)  
Accession#:

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]

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**Other** OTTHUMP00000164212,fatty-acid-Coenzyme A ligase, long-chain  
**Designations:** 3,lignoceroyl-CoA synthase

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#### Gene Pathway

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

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