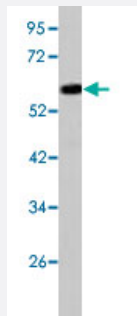


# ACSL3 polyclonal antibody

Catalog # PAB2502

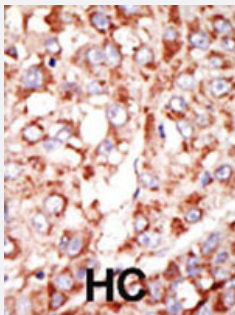
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of 293 cell lysate (35 ug/lane) with ACSL3 polyclonal antibody (Cat # PAB2502).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with the ACSL3 polyclonal antibody (Cat # PAB2502), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of ACSL3.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human ACSL3.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification

<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — ACSL3

<b>Entrez GeneID</b>	<a href="#">2181</a>
<b>Protein Accession#</b>	<a href="#">ACSL3_HUMAN</a>
<b>Gene Name</b>	ACSL3
<b>Gene Alias</b>	ACS3, FACL3, PRO2194
<b>Gene Description</b>	acyl-CoA synthetase long-chain family member 3
<b>Omim ID</b>	<a href="#">602371</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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

## Publication Reference

- [Genomic organization and transcription units of the human acyl-CoA synthetase 3 gene.](#)

Minekura H, Kang MJ, Inagaki Y, Suzuki H, Sato H, Fujino T, Yamamoto TT.

Gene 2001 Oct; 278(1-2):185.

- [Human acyl-coenzyme A synthetase 3 cDNA and localization of its gene \(ACS3\) to chromosome band 2q34-q35.](#)

Minekura H, Fujino T, Kang MJ, Fujita T, Endo Y, Yamamoto TT.

Genomics 1997 May; 42(1):180.

## Pathway

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