# ACSL3 polyclonal antibody

Catalog # PAB31428 Size 100 uL

## Applications



#### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with ACSL3 polyclonal antibody (Cat # PAB31428).



#### Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach with ACSL3 polyclonal antibody (Cat # PAB31428) shows strong cytoplasmic positivity in glandular cells.

Specification	
Product Description	Rabbit polyclonal antibody raised against partial recombinant human ACSL3.
Immunogen	Recombinant protein corresponding to human ACSL3.
Sequence	MYNFQLVTLYATLGGPAIVHALNETEVTNIITSKELLQTKLKDIVSLVPRLRHIITVDGKPPTWSEFPK GIVHTMAAVEALGAKASMENQPHSKPLPSDIAVIM
Host	Rabbit
Reactivity	Human

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#### **Product Information**

Form	Liquid
Purification	Antigen affinity purification
lsotype	lgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — ACSL3	
Entrez GenelD	<u>2181</u>
Protein Accession#	<u>095573</u>
Gene Name	ACSL3
Gene Alias	ACS3, FACL3, PRO2194
Gene Description	acyl-CoA synthetase long-chain family member 3
Omim ID	<u>602371</u>
Gene Ontology	Hyperlink



#### **Product Information**

**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

- <u>Adipocytokine signaling pathway</u>
- Fatty acid metabolism
- Metabolic pathways
- PPAR signaling pathway