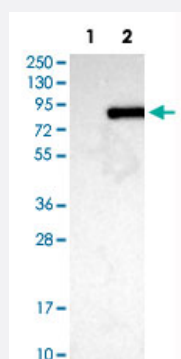


ACSL3 polyclonal antibody

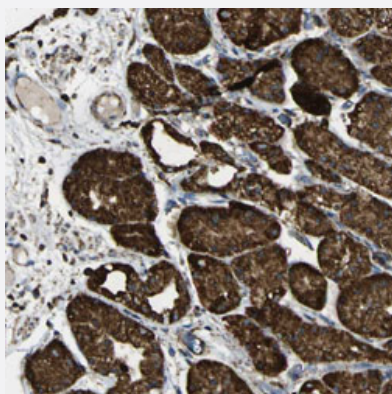
Catalog # PAB31428 Size 100 uL

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 paraffin-embedded 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 | MYNQFLVTLYATLGGAIPAHALNETEVTNIITSKELLQTKLKDVSLVPRLRHITVDGKPPTWSEFPK GIVHTMAAVEALGAKASMENQPHSKPLPSDIAVIM |
| Host | Rabbit |
| Reactivity | Human |

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Antigen affinity purification |
| Isotype | IgG |
| 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 should be handled by trained staff only. |

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 paraffin-embedded sections)

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

Gene Info — ACSL3

| | |
|--------------------|--|
| Entrez GeneID | 2181 |
| Protein Accession# | O95573 |
| 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](#)