

# ACSL3 Rabbit pAb

Catalog No.: A11679 **1 Publications**

## Basic Information

### Observed MW

76kDa

### Calculated MW

80kDa

### Category

Primary antibody

### Applications

WB,IHC

### Cross-Reactivity

Human, Mouse, Rat

## Background

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.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC</b>	1:50 - 1:200

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
2181	O95573

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 42-300 of human ACSL3 (NP\_004448.2).

### Synonyms

ACSL3;ACS3;FACL3;PRO2194

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

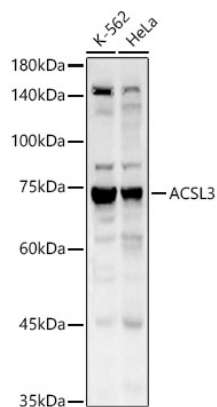
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using ACSL3 antibody (A11679) at 1:1530 dilution.

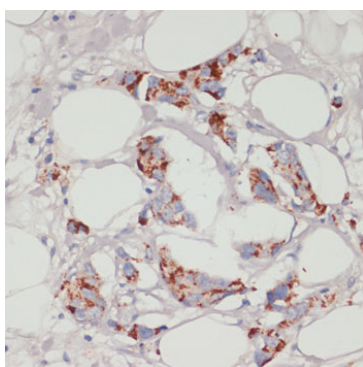
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10009 dilution.

Lysates/proteins: 34ug per lane.

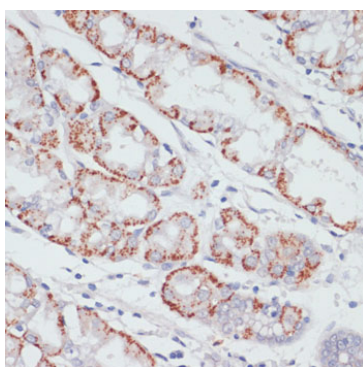
Blocking buffer: 12% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00029).

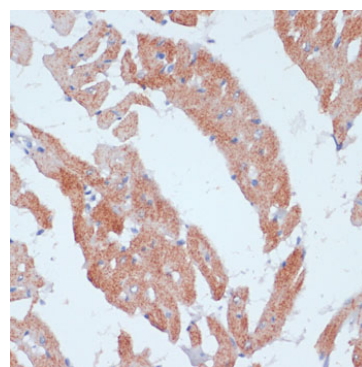
Exposure time: 10s.



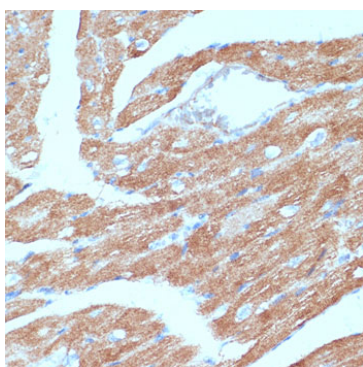
Immunohistochemistry of paraffin-embedded human mammary cancer using ACSL3 antibody (A11679) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded human stomach using ACSL3 antibody (A11679) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded rat heart using ACSL3 antibody (A11679) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded mouse heart using ACSL3 antibody (A11679) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.