

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

WB	1:500 - 1:2000
IHC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
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

Product Information

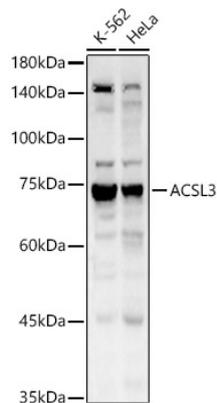
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

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.

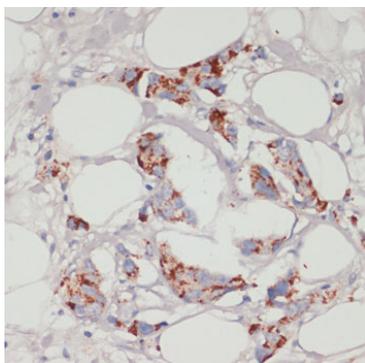
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10009 dilution.

Lysates/proteins: 34ug per lane.

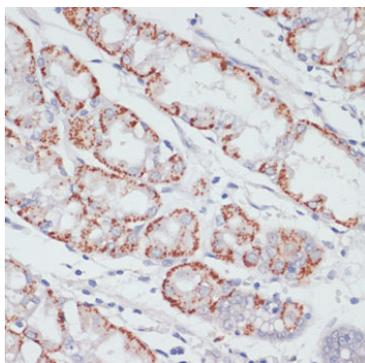
Blocking buffer: 12% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00029).

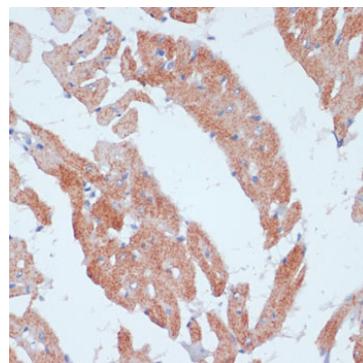
Exposure time: 10s.



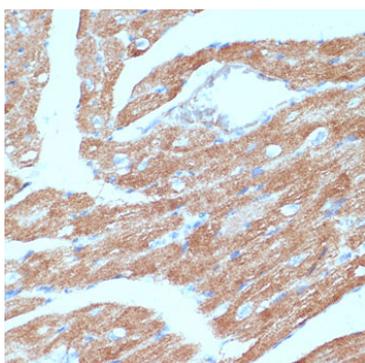
Immunohistochemistry of paraffin-embedded human mammary cancer using ACSL3 antibody (A11679) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



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.