

ACSL1 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant ACSL1.****Catalog # AT1029a****Specification**

ACSL1 Antibody (monoclonal) (M02) - Product Information

Application	WB, E
Primary Accession	P33121
Other Accession	NM_001995
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	77943

ACSL1 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 2180**Other Names**

Long-chain-fatty-acid--CoA ligase 1, Acyl-CoA synthetase 1, ACS1, Long-chain acyl-CoA synthetase 1, LACS 1, Long-chain acyl-CoA synthetase 2, LACS 2, Long-chain fatty acid-CoA ligase 2, Palmitoyl-CoA ligase 1, Palmitoyl-CoA ligase 2, ACSL1, FACL1, FACL2, LACS, LACS1, LACS2

Target/Specificity

ACSL1 (NP_001986, 48 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

ACSL1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

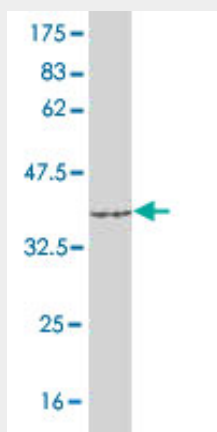
ACSL1 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

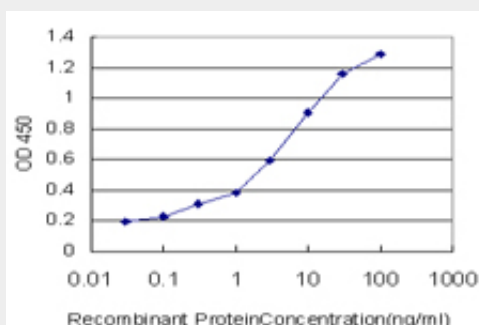
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACSL1 Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .



Detection limit for recombinant GST tagged ACSL1 is approximately 0.3ng/ml as a capture antibody.

ACSL1 Antibody (monoclonal) (M02) - 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.

ACSL1 Antibody (monoclonal) (M02) - References

1. Fatty acid transport and activation and the expression patterns of genes involved in fatty acid trafficking. Sandoval A, Fraisl P, Arias-Barrau E, DiRusso CD, Singer D, Sealls W, Black PN. Arch Biochem Biophys. 2008 Sep 15;477(2):363-71. Epub 2008 Jun 20.