

## ACSL1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant ACSL1.

Catalog # AT1029a

### Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P33121</a>
<b>Other Accession</b>	<a href="#">NM_001995</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	3G4
<b>Calculated MW</b>	77943

### Additional Information

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<b>Gene ID</b>	2180
<b>Other Names</b>	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
<b>Target/Specificity</b>	ACSL1 (NP_001986, 48 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	ACSL1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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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.

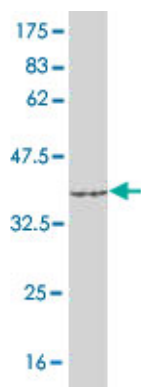
### References

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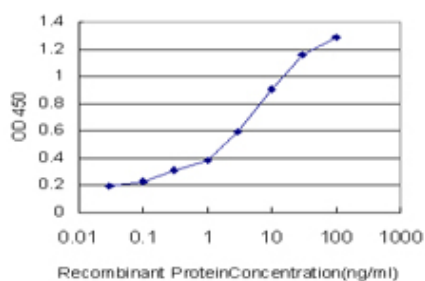
1.Fatty acid transport and activation and the expression patterns of genes involved in fatty acid trafficking.Sandoval A, Fraisl P, Arias-Barrau E, DiRusso CD, Singer D, Sealls W, Black PN.Arch Biochem Biophys. 2008 Sep 15;477(2):363-71. Epub 2008 Jun 20.

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.