Data Sheet (Cat.No.TMAB-00042)

TargetMol

Anti-ACSL1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 77 kDa.
Purification:	Protein A purified

Applications

Application:	WB,IHC-P,IHC-Fr,IF,ELISA
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human ACSL1
Antigen Species:	Human
Gene ID:	2180
Uniprot ID:	P33121
Synonyms:	ACS1;LACS 1;Acyl CoA synthetase long chain family member 1;Long chain acyl CoA synthetase 1;Palmitoyl CoA ligase 2;Fatty acid Coenzyme A ligase long chain 2;Long chain fatty acid CoA ligase 2;FACL1;LACS;FACL2;LACS2;Palmitoyl CoA ligase 1;Acyl CoA synthetase 1;ACS 1;FACL 2;LACS 2;Fatty acid Coenzyme A ligase long chain 1;LACS1;Lignoceroyl CoA synthase;Long chain fatty acid coenzyme A ligase 1;Long chain fatty acid CoA ligase 1;FACL 1;Long chain acyl CoA synthetase 2;ACSL 1
Biology Area:	Integration of energy metabolism,Metabolism of lipids and lipoproteins,Metabolism,Integration of energy,Fatty acids,Lipid metabolism,Fatty acid oxidation,Lipid metabolism

Research 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. [provided by RefSeq, Jul 2008].

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