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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ACSL1 monoclonal antibody (M02), clone 3G4

Catalog # : H00002180-M02

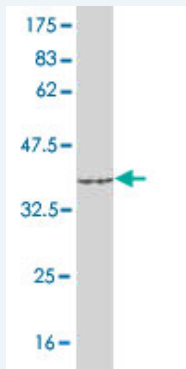
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant ACSL1.
Immunogen:	ACSL1 (NP_001986, 48 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	PKPLKPPCDLSMQSVEVAGSGGARRSALLDSDEPLVYFYDDVTTLTYEG FQRGIQVSNNGPCLGSRKPDQPYEWLSYKQVAELSECIGSALIQKGFKA
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.52 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

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

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

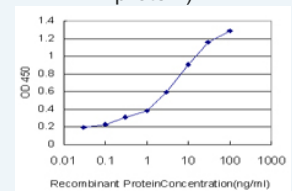
- Up-regulation of fatty acid oxidation in the ligament as a contributing factor of ankylosing spondylitis: A comparative proteomic study.
Xu WD, Yang XY, Li DH, Zheng KD, Qiu PC, Zhang W, Li CY, Lei KF, Yan GQ, Jin SW, Wang JGJ Proteomics. 2014 Oct 2;113C:57-72. doi: 10.1016/j.jprot.2014.09.014.
- Fatty 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.

Applications

Application Image

Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



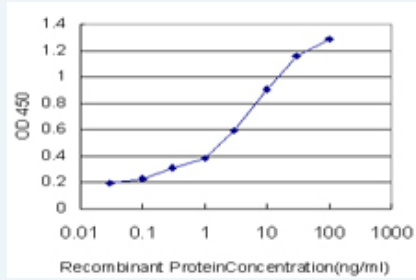
[enlarge](#)

ELISA

Western Blot (Recombinant protein)

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



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

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [2180](#)

GeneBank Accession#: [NM_001995](#)

Protein Accession#: [NP_001986](#)

Gene Name: ACSL1

Gene Alias: ACS1,FACL1,FACL2,LACS,LACS1,LACS2

Gene Description: acyl-CoA synthetase long-chain family member 1

Omim ID: [152425](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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]

Other Designations: fatty-acid-Coenzyme A ligase, long-chain 1,fatty-acid-Coenzyme A ligase, long-chain 2,lignoceroyl-CoA synthase,long-chain acyl-CoA synthetase 1,long-chain acyl-CoA synthetase 2,long-chain fatty-acid-coenzyme A ligase 1,palmitoyl-CoA ligase 2,paltimoyl-CoA

Gene Pathway

[Adipocytokine signaling pathway](#) [Fatty acid metabolism](#) [Metabolic pathways](#) [PPAR signaling pathway](#)

Related Disease

[Genetic Predisposition to Disease](#) [Insulin Resistance](#) [Metabolic Syndrome X](#)

