

Rabbit FACL4/ACSL4 Polyclonal Antibody | anti-ACSL4 antibody

Anti-FACL4/ACSL4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19206	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

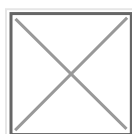
PRODUCT SYNONYMS

FACL4/ACSL4; Polyclonal Antibody; Anti-FACL4/ACSL4 Antibody; Long-chain-fatty-acid--CoA ligase 4; Long-chain acyl-CoA synthetase 4; LACS 4; ACSL4; ACS4; FACL4; LACS4; anti-ACSL4 antibody

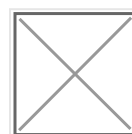
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	670
Applicable Applications for anti-ACSL4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB: 0.1-0.25ug/ml (Human, Mouse, Rat) IHC-P (Embedded Section): 0.5-1ug/ml (Mouse, Rat) ICC: 2ug/ml (Human) IF: 2ug/ml (Human) FC/FACS: 1-3ug/1x106 cells (Human) Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections.
Immunogen	A synthetic peptide corresponding to a sequence of human FACL4/ACSL4 (EPWTPETGLVTDFAKLKRKELR).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



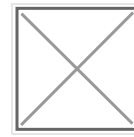
WB (Western Blot)



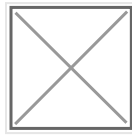
IHC (Immunohistochemistry)



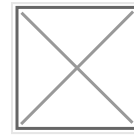
IHC (Immunohistochemistry)



IF (Immunofluorescence)



FCM (Flow Cytometry)



FCM (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-ACSL4 antibody	Description: Rabbit IgG polyclonal antibody for FACL4/ACSL4 detection. Tested with WB, IHC-P, ICC/IF, FCM in Human; Mouse; Rat. Background: Long-chain-fatty-acid—CoA ligase 4 is an enzyme that in humans is encoded by the ACSL4 gene. It is mapped to Xq23. 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 preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the cognitive disability or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants.
References	- Piccini M, Vitelli F, Bruttini M, Pober BR, Jonsson JJ, Villanova M, Zollo M, Borsani G, Ballabio A, Renieri A (Apr 1998). "FACL4, a new gene encoding long-chain acyl-CoA synthetase 4, is deleted in a family with Alport syndrome, elliptocytosis, and mental retardation". Genomics. 47 (3): 350-8. - Verot L, Alloisio N, Morle L, Bozon M, Touraine R, Plauchu H, Edery P (Sep 2003). "Localization of a non-syndromic X-linked mental retardation gene (MRX80) to Xq22-q24". Am J Med Genet A. 122A (1): 37-41. - Zong NC, Li H, Li H, Lam MP, Jimenez RC, Kim CS, Deng N, Kim AK, Choi JH, Zelaya I, Liem D, Meyer D, Odeberg J, Fang C, Lu HJ, Xu T, Weiss J, Duan H, Uhlen M, Yates JR, Apweiler R, Ge J, Hermjakob H, Ping P (Oct 2013). "Integration of cardiac proteome biology and medicine by a specialized knowledgebase". Circulation Research. 113 (9): 1043-53.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758332
NCBI GeneID	2182
NCBI Accession #	NP_004449.1
NCBI GenBank Nucleotide #	NP_004449.1
UniProt Accession #	O60488
NCBI Official Full Name	long-chain-fatty-acid--CoA ligase 4 isoform 1
NCBI Official Synonym Full Names	acyl-CoA synthetase long chain family member 4
NCBI Official Symbol	ACSL4
NCBI Official Synonym Symbols	ACS4; FACL4; LACS4; MRX63; MRX68
NCBI Protein Information	long-chain-fatty-acid--CoA ligase 4
UniProt Protein Name	Long-chain-fatty-acid--CoA ligase 4
UniProt Gene Name	ACSL4
UniProt Synonym Gene Names	ACS4; FACL4; LACS4; LACS 4
UniProt Entry Name	ACSL4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fac14-acsl4-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19206>