

Rabbit anti-Human ACSL4/FACL4 Polyclonal Antibody | anti-ACSL4/FACL4 antibody

Rabbit anti-ACSL4/FACL4 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213229	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

ACSL4/FACL4; Polyclonal Antibody; Rabbit anti-ACSL4/FACL4 Antibody; Affinity Purified; fatty-acid-Coenzyme A ligase; long-chain 4; long-chain acyl-CoA synthetase 4; MRX68; MRX63; long-chain-fatty-acid--CoA ligase 4; long-chain fatty-acid-Coenzyme A ligase 4; ACS4; LACS 4; lignoceroyl-CoA synthase; FACL4; acyl-CoA synthetase 4; LACS4; Long-chain-fatty-acid--CoA ligase 4; acyl-CoA synthetase long chain family member 4; anti-ACSL4/FACL4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ACSL4/FACL4 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 250 and 300
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human ACSL4 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ACSL4 antibody AAA213229 (lot AAA213229-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human ACSL4 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ACSL4 antibody AAA213229 (lot AAA213229-1) used for IP at 6 ug per reaction. ACSL4 was also immunoprecipitated by rabbit anti-ACSL4 antibody BL21222. For blotting immunoprecipitated ACSL4, AAA213229 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-ACSL4/FACL4 antibody

ACSL4 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 mental retardation or Alport syndrome [taken from NCBI Entrez Gene (Gene ID: 2182)].

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758332
NCBI GeneID	2182
NCBI Accession #	NP_004449.1
NCBI GenBank Nucleotide #	NM_004458.2
UniProt Accession #	O60488; O60848; O60849; Q5JWV8; D3DUY2
Molecular Weight	74,436 Da
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; LACS 4; acyl-CoA synthetase 4; lignoceroyl-CoA synthase; long-chain acyl-CoA synthetase 4; long-chain fatty-acid-Coenzyme A ligase 4; fatty-acid-Coenzyme A ligase, long-chain 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/acsl4-facl4-antibody-immunoprecipitation-western-blot-elisa/213229>