

Rabbit ACSL4 Polyclonal Antibody | anti-ACSL4 antibody

ACSL4 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282361	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ACSL4; Polyclonal Antibody; ACSL4 Rabbit pAb; ACS4; FACL4; LACS4; MRX63; MRX68; XLID63; anti-ACSL4 antibody

PRODUCT SPECIFICATIONS

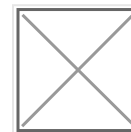
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Liquid PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MAKRIKAKPT SDKPGSPYRS VTHFDSLAVI DIPGADTLDK LFDHAVSKFG KKDSLGTREI LSEENEMQPN GKVFKKLILG NYKWMNYLEV NRRVNNFGSG LTALGLKPKN TIAIFCETRA EWMIAAQTCF KYNFPLVTLY ATLGKEAVVH GLNESEASYL ITSVELLESK LKTALLDISC VKHIIYVDNK AINKAEYPEG FEIHSMQSVE ELGSPENLGP IPPSRPTPSD MAIVMYTSGS TGRPKGVMH HSNLIAGMTG QCERIPGLGP KDTYIGYLP
Applicable Applications for anti-ACSL4 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Positive Samples	HepG2, Rat liver
Cellular Location	Endoplasmic reticulum membrane, Microsome membrane, Mitochondrion outer membrane, Peroxisome membrane, Single-pass type III membrane protein
Research Area	Cancer, Signal Transduction, Endocrine Metabolism, Lipid Metabolism
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human ACSL4 (NP_004449.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack

IMAGES



WB (Western Blot)

Western blot analysis of Rat liver, using ACSL4 antibody (AAA282361) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



WB (Western Blot)

Western blot analysis of HepG2, using ACSL4 antibody (AAA282361) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.

ADDITIONAL INFORMATION

Related Product Information for anti-ACSL4 antibody	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.
Product Categories/Family for anti-ACSL4 antibody	Polyclonal Antibodies

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-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/282361>