

Acyl-CoA Synthetase Long Chain Family Member 4 (ACSL4) Antibody

Catalogue No.: abx028035



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 mental retardation or Alport syndrome. Alternative splicing of this gene generates 2 transcript variants.

Target:	Acyl-CoA Synthetase Long Chain Family Member 4 (ACSL4)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 28-56 amino acids from the N-terminal region of human ACSL4.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O60488 (UniProt , ExPASy)

Datasheet

Version: 4.0.0

Revision date: 10 Oct 2025



Gene Symbol: ACSL4

KEGG: hsa:2182

String: [9606.ENSP00000339787](#)

Molecular Weight: Calculated MW: 79.2 kDa

Buffer: PBS containing 0.09% sodium azide.

Specificity: Predicted to react with Mouse and Rat ACSL4.

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