

DATASHEET

ACSL5 Rabbit Polyclonal Antibody

CAT. NO. APA14677

KEY FEATURES

Target	ACSL5	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Catalyzes the conversion of long-chain fatty acids to their active form acyl-CoAs for both synthesis of cellular lipids, and degradation via beta-oxidation . ACSL5 may activate fatty acids from exogenous sources for the synthesis of triacylglycerol destined for intracellular storage . Utilizes a wide range of saturated fatty acids with a preference for C16-C18 unsaturated fatty acids . It was suggested that it may also stimulate fatty acid oxidation . At the villus tip of the crypt-villus axis of the small intestine may sensitize epithelial cells to apoptosis specifically triggered by the death ligand TRAIL. May have a role in the survival of glioma cells.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

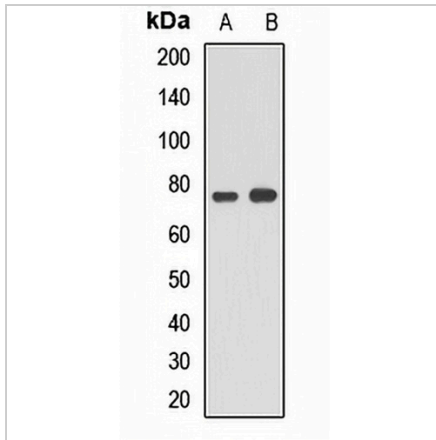
Description	Rabbit polyclonal antibody to ACSL5
Specificity	Recognizes endogenous levels of ACSL5 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ACSL5
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 73; Observed: 70-76 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ACS5; FACL5; Long-chain-fatty-acid--CoA ligase 5; Long-chain acyl-CoA synthetase 5; LACS 5
Gene Symbol	ACSL5
Entrez Gene	51703(Human); 94340(Rat)
SwissProt	Q9ULC5(Human); O88813(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of ACSL5 expression in HL60 (A), HepG2 (B) whole cell lysates.
(Predicted band size: 73; 75; 82 kD; Observed band size: 70-76 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.