

bs-5022R**[Primary Antibody]**

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ACSL1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Reactivity: Rat (predicted: Human, Mouse, Pig, Cow, Chicken, Dog, Horse) Predicted MW.: 77 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Polyclonal		
GeneID: 2180	SWISS: P33121	
Target: ACSL1		
Immunogen: KLH conjugated synthetic peptide derived from human ACSL1: 501-600/698.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: 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. [provided by RefSeq, Jul 2008].		

— SELECTED CITATIONS —

- **[IF=15.1]** Liang Xiao. et al. Multifunctional Au@AgBiS₂ Nanoparticles as High-Efficiency Radiosensitizers to Induce Pyroptosis for Cancer Radioimmunotherapy. Advanced Science. 2023 Sep;:2302141 **WB ;Mouse**. 37688340
- **[IF=3.86]** Chu, Meiqiang, et al. "MicroRNA-126 participates in lipid metabolism in mammary epithelial cells." Molecular and Cellular Endocrinology (2017). **WB ;Human**. 28599789
- **[IF=4.451]** Jie Gao. et al. Ferulic acid targets ACSL1 to ameliorate lipid metabolic disorders in db/db mice. J Funct Foods. 2022 Apr;91:105009 **IF ;Mouse,Human**. 10.1016/j.jff.2022.105009
- **[IF=1.21]** Ma DX et al. CircRNA as CeRNA mediated by microRNA May be Involved in Goat Lactation. Small Ruminant Research.2019 171:63–72 **IF ;Goat**. doi:10.1016/j.smallrumres.2018.12.009