

bs-13129R**[Primary Antibody]****ACSL4 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		
GeneID: 2182	SWISS: O60488	
Target: ACSL4		
Immunogen: KLH conjugated synthetic peptide derived from human ACSL4: 321-420/711.		
Purification: affinity purified by Protein A		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Horse)
Concentration: 1mg/ml		Predicted MW.: 79 kDa
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.		Subcellular Location: Cell membrane ,Cytoplasm
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. 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. [provided by RefSeq, Jan 2016]		

— SELECTED CITATIONS —

- **[IF=8.2]** Lige Bao. et al. Zearalenone induces liver injury in mice through ferroptosis pathway. SCI TOTAL ENVIRON. 2024 Aug;;175875 WB ;Mouse. 39216757
- **[IF=3.7]** Yunhui Fan. et al. Role of hypoxia-inducible-factor-1 α (HIF-1 α) in ferroptosis of adipose tissue during ketosis. J DAIRY SCI. 2024 Jul; WB ;Bovine. 39067746