

bs-10150R**[Primary Antibody]****ACADL Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat) Predicted MW.: 44 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 33	SWISS: P28330	
Target: ACADL		
Immunogen: KLH conjugated synthetic peptide derived from human ACADL: 31-130/430.		
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 belongs to the acyl-CoA dehydrogenase family, which is a family of mitochondrial flavoenzymes involved in fatty acid and branched chain amino-acid metabolism. This protein is one of the four enzymes that catalyze the initial step of mitochondrial beta-oxidation of straight-chain fatty acid. Defects in this gene are the cause of long-chain acyl-CoA dehydrogenase (LCAD) deficiency, leading to nonketotic hypoglycemia. [provided by RefSeq].		

— SELECTED CITATIONS —

- **[IF=4.213]** Yang Jiao. et al. Lysine demethylation KDM5B downregulates SIRT3-mediated mitochondrial glucose and lipid metabolism in diabetic neuropathy. DIABETIC MED. 2022 Sep;e14964 WB ;Mouse. 36130801