

bs-3936R**[Primary Antibody]**

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SLC27A2 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Cow, Dog, Horse)
GeneID: 11001	SWISS: Q14975	Predicted MW.: 70 kDa
Target: SLC27A2		Subcellular Location: Cell membrane ,Cytoplasm
Immunogen: KLH conjugated synthetic peptide derived from human SLC27A2/ACSVL1: 401-500/620.		
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: SLC27A2 is an isozyme of 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 may play a key role in lipid biosynthesis and fatty acid degradation. This isozyme activates long-chain, branched-chain and very-long-chain fatty acids containing 22 or more carbons to their CoA derivatives.		

— SELECTED CITATIONS —

- **[IF=2.559]** Weinheimer C et al. Maternal Tobacco Smoke Exposure Causes Sex-Divergent Changes in Placental Lipid Metabolism in the Rat. Reprod Sci. 2020 Jan 6. WB ;Rat. 32046449
- **[IF=2.9]** Chiung Chi Peng. et al. Molecular mechanism of ectopic lipid accumulation induced by methylglyoxal via activation of the NRF2/PI3K/AKT pathway implicates renal lipotoxicity caused by diabetes mellitus. PLOS ONE. 2024 Oct;19(10):e0306575 WB ;Rat. 39413106