

**bs-4088R****[ Primary Antibody ]**

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**SLC27A5 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 10998	<b>SWISS:</b> Q9Y2P5	<b>IHC-F</b> (1:100-500)
<b>Target:</b> SLC27A5		<b>IF</b> (1:100-500)
		<b>ELISA</b> (1:5000-10000)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SLC27A5: 251-350/690.		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Sheep, Cow, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 75 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Background:</b> SLC27A5 is an isozyme of very long chain acyl CoA synthetase (VLCS). It is an acyl CoA synthetase involved in bile acid metabolism and is proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. It is expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. It seems to activate secondary bile acids entering the liver from the enterohepatic circulation. In vitro, it also activates 3 alpha,7 alpha,12 alpha trihydroxy 5 beta cholestanate (THCA), the C27 precursor of cholic acid derived from the de novo synthesis from cholesterol.		

**— SELECTED CITATIONS —**

- **[IF=5.201]** Wang X et al. MicroRNA-20a-5p Ameliorates Non-alcoholic Fatty Liver Disease via Inhibiting the Expression of CD36Front Cell Dev Biol.2020 Dec 3;8:596329. WB ;Human. 33344451
- **[IF=2.25]** Han, Ying, et al. "Basis of aggravated hepatic lipid metabolism by chronic stress in high-fat diet-fed rat." Endocrine: 1-10. WB ;="Rat". 24895043