

bs-3989R**[Primary Antibody]****Bioss**
ANTIBODIES

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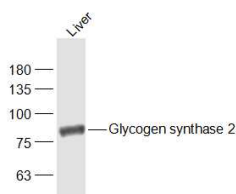
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Glycogen synthase 2 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Dog, Horse)
GeneID: 2998	SWISS: P54840	
Target: Glycogen synthase 2		Predicted MW.: 81 kDa
Immunogen: KLH conjugated synthetic peptide derived from human Glycogen synthase 2: 621-703/703.		Subcellular Location: Cytoplasm
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: Glycogen synthase catalyzes the rate-limiting step in glycogen synthesis. Its activity is regulated by a complex phosphorylation-dephosphorylation mechanism and by allosteric stimulators and inhibitors. Two isozymes of synthase, a skeletal muscle type (Glycogen synthase 1 - GYS1) and a liver type (Glycogen synthase 2 - GYS2), have been identified.		

— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
Anti-Glycogen synthase 2 (bs-3989R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 81 kD Observed band size: 81 kD

— SELECTED CITATIONS —

- **[IF=0]** Scheffler et al. Gain of function AMP-activated protein kinase γ 3 mutation (AMPK γ 3R200Q) in pig muscle increases glycogen storage regardless of AMPK activation. (2016) Physiol.Re. 4 WB ;Pig. 27302990