bs-13253R **[Primary Antibody]**

G6PC3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 92579 **SWISS:** Q9BUM1

Target: G6PC3

Immunogen: KLH conjugated synthetic peptide derived from human G6PC3: 201-300/346.

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: This gene encodes the catalytic subunit of glucose-6-phosphatase (G6Pase). G6Pase is located in the endoplasmic reticulum (ER) and catalyzes the hydrolysis of glucose-6-phosphate to glucose and phosphate in the last step of the gluconeogenic and glycogenolytic pathways. Mutations in this gene result in autosomal recessive severe congenital neutropenia. Multiple transcript variants have been found for this gene, only one of which is expected to express a protein.[provided by RefSeq, Sep 2009].

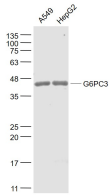
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Sheep, Cow)

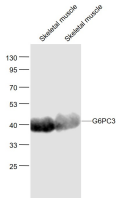
Predicted MW.: 39 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: A549(Human) Cell Lysate at 30 ug HepG2(Human) Cell Lysate at 30 ug Primary: Anti- G6PC3 (bs-13253R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 39 kD



Sample: Skeletal muscle (Mouse) Lysate at 40 ug Skeletal muscle (Rat) Lysate at 40 ug Primary: Anti- G6PC3 (bs-13253R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 39 kD

SELECTED CITATIONS

- **[IF=6.117]** Jiahui Li. et al. Dietary iron modulates hepatic glucose homeostasis via regulating gluconeogenesis. J NUTR BIOCHEM. 2022 Nov;109:109104 WB ;Mouse, Rat. 35863586
- **[IF=4.129]** Jiang, Bin. et al. Role of Proximal Intestinal Glucose Sensing and Metabolism in the Blood Glucose Control in Type 2 Diabetic Rats After Duodenal Jejunal Bypass Surgery. Obes Surg. 2022 Jan;:1-11 WB ;Rat. 35080701
- **[IF=2.718]** Naomi Nishio. et al. Hen egg only diets support healthy aging in adult mice. J ANIM PHYSIOL AN N. 2023 Jan;: WB ;Mouse. 36688451
- **[IF=3.3]** Yue Pang. et al. Expression Regulation of Gluconeogenesis Related Genes in Ovine Skeletal Muscle Cells. FRONT BIOSCI-LANDMRK. 2024 Jun;29(6):237 WB,IF ;Sheep. 38940053

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.