

bs-4972R**[Primary Antibody]****Bioss**
ANTIBODIES

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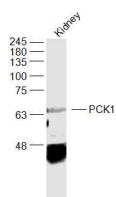
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PCK1 Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Dog)
GeneID: 5105	SWISS: P35558	Predicted MW.: 69 kDa
Target: PCK1		Subcellular Location: Cytoplasm
Immunogen: KLH conjugated synthetic peptide derived from human PCK1: 201-300/622.		
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: PCK1 is a main control point for the regulation of gluconeogenesis. This cytosolic enzyme, along with GTP, catalyzes the formation of phosphoenolpyruvate from oxaloacetate, with the release of carbon dioxide and GDP. The expression of the corresponding gene can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. A mitochondrial isozyme has also been characterized.		

VALIDATION IMAGES

Sample: Kidney (Mouse) Lysate at 40 ug Primary:
Anti-PCK1 (bs-4972R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 69 kD
Observed band size: 66 kD

SELECTED CITATIONS

- **[IF=7.7]** Bing Yang. et al. Hovenia dulcis (Guaizao) polysaccharide ameliorates hyperglycemia through multiple signaling pathways in rats with type 2 diabetes mellitus. INT J BIOL MACROMOL. 2024 Dec;;138338 WB ;Rat. 39638196
- **[IF=7.2]** Li Zhen. et al. Hypoglycemic effects of Goji tea in streptozotocin-induced diabetic mice via IRS1/PI3K/AKT/AMPK pathway. Journal of Future Foods. 2025 Jun;; WB ;Mouse. 10.1016/j.jfutfo.2025.01.005
- **[IF=6.023]** Li Ren. et al. Anti-inflammatory action of betulin and its potential as a dissociated glucocorticoid receptor modulator. Food Chem Toxicol. 2021 Nov;;157:112539 WB ;human. 34500009
- **[IF=6.317]** Jingqi Zhao. et al. Quercetin ameliorates hepatic fat accumulation in high-fat diet-induced obese mice via PPARs. FOOD FUNCT. 2023 Jan;; WB ;Human. 36691903
- **[IF=5.396]** Yuan Liang. et al. Glucocorticoid receptor-mediated alleviation of inflammation by berberine: in vitro, in silico and in vivo investigations. Food Funct. 2021 Oct;; WB ;Human. 34747965

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