### bs-5002R

## [ Primary Antibody ]

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

# PCK2 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 5106 **SWISS:** Q16822

Target: PCK2

**Immunogen:** KLH conjugated synthetic peptide derived from human PCK2:

365-470/640.

**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:** PCK2 is a a member of the phosphoenolpyruvate carboxykinase

(GTP) family. The protein is a mitochondrial enzyme that catalyzes the conversion of oxaloacetate to phosphoenolpyruvate in the presence of GTP. A cytosolic form encoded by a different gene has also been characterized and is the key enzyme of gluconeogenesis in the liver. The encoded protein may serve a similar function, although it is constitutively expressed and not modulated by hormones such as glucagon and insulin that regulate the cytosolic form. Alternatively spliced transcript variants have been described. **Applications: ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse,

Rat, Rabbit, Pig, Cow,

Horse)

**Predicted** 67 kDa

MW.:

Subcellular Location: Cytoplasm

### — SELECTED CITATIONS —

- [IF=4.533] Huiying Gu. et al. Soluble Klotho Improves Hepatic Glucose and Lipid Homeostasis in Type 2 Diabetes. Mol Ther-Meth Clin D. 2020 Sep;18:811 WB; Mouse. 32953932
- [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 IF; Sheep. 38940053