

# Product datasheet for TA303224

## **PCK1 Goat Polyclonal Antibody**

**Product data:** 

**Product Type: Primary Antibodies** 

**Applications:** WB

Recommended Dilution: ELISA: 1:16,000. WB: 0.5-1.5µg/ml.

Reactivity: Human Host: Goat Isotype: **IgG** 

Clonality: Polyclonal

Immunogen: Peptide with sequence C-EKEVEDIEKYLEDQ, from the internal region (near the C Terminus) of

the protein sequence according to NP\_002582.2.

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

**Purification:** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

> chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize

freezing and thawing.

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Gene Name: phosphoenolpyruvate carboxykinase 1

**Database Link:** NP 002582

Entrez Gene 5105 Human

P35558

Background: This gene is a main control point for the regulation of gluconeogenesis. The cytosolic enzyme

> encoded by this gene, along with GTP, catalyzes the formation of phosphoenolpyruvate from oxaloacetate, with the release of carbon dioxide and GDP. The expression of this gene can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. Defects in this gene are a cause of cytosolic phosphoenolpyruvate carboxykinase deficiency. A mitochondrial isozyme

of the encoded protein also has been characterized. [provided by RefSeq]



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### PCK1 Goat Polyclonal Antibody - TA303224

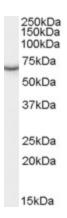
Synonyms: PEPCK-C; PEPCK1; PEPCKC

**Protein Families:** Druggable Genome

Protein Pathways: Adipocytokine signaling pathway, Citrate cycle (TCA cycle), Glycolysis / Gluconeogenesis,

Insulin signaling pathway, Metabolic pathways, PPAR signaling pathway, Pyruvate metabolism

# **Product images:**



TA303224 (0.5ug/ml) staining of Human Kidney lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by

chemiluminescence.