

## Product datasheet for **TA302584**

### PCB (PC) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:16,000. WB: 0.03-0.1µg/ml.
Reactivity:	Mouse (Expected from sequence similarity: Human, Rat, Dog, Cow, Pig)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-KFKEVKKAYVEANQ, from the internal region of the protein sequence according to NP_000911.2; NP_001035806.1; NP_071504.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
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.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	133272 Da
Gene Name:	pyruvate carboxylase
Database Link:	<a href="#">NP_000911</a> <a href="#">Entrez Gene 25104 Rat</a> <a href="#">Entrez Gene 18517 Mouse</a> <a href="#">Entrez Gene 483704 Dog</a> <a href="#">Entrez Gene 5091 Human</a> <a href="#">P11498</a>



[View online »](#)

**Background:**

This gene encodes pyruvate carboxylase, which requires biotin and ATP to catalyse the carboxylation of pyruvate to oxaloacetate. The active enzyme is a homotetramer arranged in a tetrahedron which is located exclusively in the mitochondrial matrix. Pyruvate carboxylase is involved in gluconeogenesis, lipogenesis, insulin secretion and synthesis of the neurotransmitter glutamate. Mutations in this gene have been associated with pyruvate carboxylase deficiency. Alternatively spliced transcript variants with different 5' UTRs, but encoding the same protein, have been found for this gene. [provided by RefSeq]

**Synonyms:**

PCB

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Citrate cycle (TCA cycle), Metabolic pathways, Pyruvate metabolism

**Product images:**

TA302584 (0.03ug/ml) staining of Mouse Liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.