

Product datasheet for TA302584

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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: NP 000911

Entrez Gene 25104 RatEntrez Gene 18517 MouseEntrez Gene 483704 DogEntrez Gene 5091

<u>Human</u> <u>P11498</u>



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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

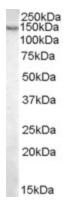
encoding the same protein, have been found for this gene. [provided by RefSeq]

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.