

Product datasheet for **AP08821PU-N**

PCB (PC) (886-899) Goat Polyclonal Antibody

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | ELISA, IHC, WB |
| Recommended Dilution: | ELISA: 1/16000. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 0.03 - 0.1 µg/ml. |
| Reactivity: | Bovine, Canine, Human, Mouse, Porcine, Rat, Bat, Equine, Hamster, Monkey, Rabbit |
| Host: | Goat |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide from an Internal region of Human PC |
| Specificity: | Recognizes Pyruvate Carboxylase (PC) at aa 886-899. |
| Formulation: | Tris saline buffer, pH 7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide |
| Concentration: | lot specific |
| Purification: | Immunoaffinity Chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | pyruvate carboxylase |
| Database Link: | Entrez Gene 5091 Human P11498 |



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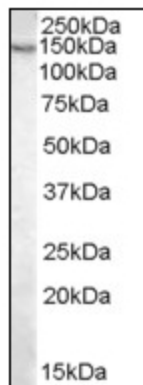
Background:

Pyruvate Carboxylase (PC, PCB) 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. PCB 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.

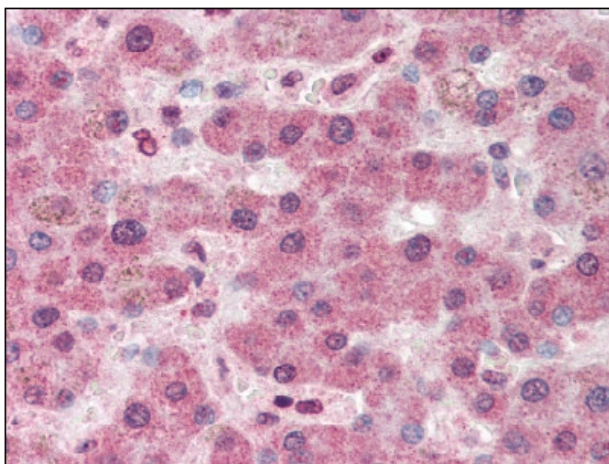
Synonyms:

Pyruvate carboxylase mitochondrial, PCB

Product images:



Antibody (AP08821PU-N at 0.03 ug/ml) staining of Mouse Liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by Chemiluminescence.



AP08821PU-N staining PC at 5 ug/ml in paraffin-embedded Human Liver by Immunohistochemistry.