

PC RABBIT PAB

Cat.#: S216720

Product Name: Anti-PC Rabbit Polyclonal Antibody

Synonyms: PCB

UNIPROT ID: P11498 (Gene Accession - BC011617)

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.

Immunogen: Fusion protein of human PC

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 1000-5000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

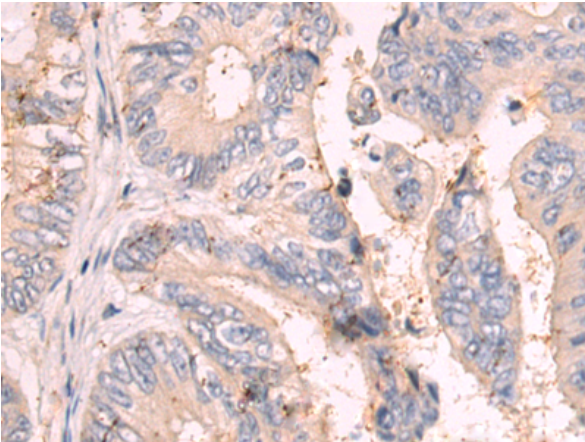
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

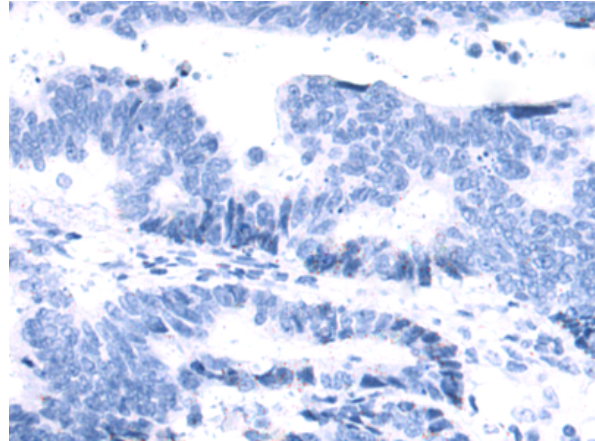
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cancer

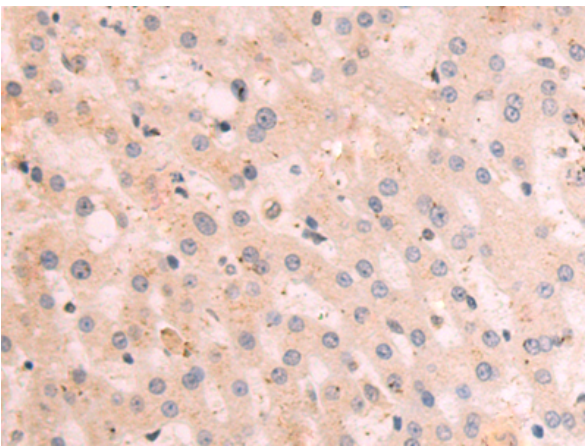
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



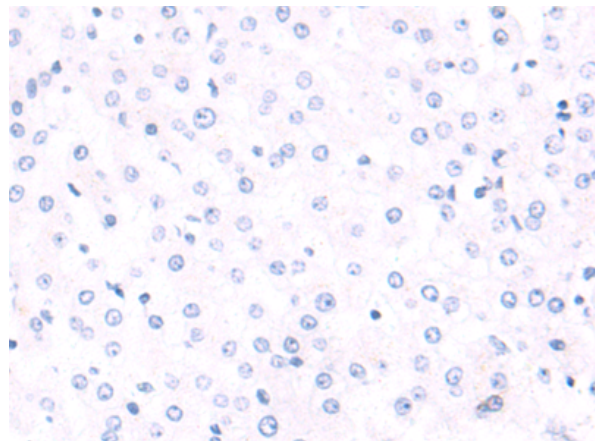
Immunohistochemistry analysis of paraffin embedded Human colorectal cancer tissue using 216720(PC Antibody) at a dilution of 1/55(Cytoplasm).



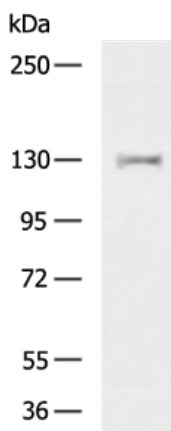
In comparison with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the fusion protein and then with 216720(Anti-PC Antibody) at dilution 1/55.



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 216720(Anti-PC Antibody) at a dilution of 1/55.



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with fusion protein and then with D221117(Anti-PC Antibody) at dilution 1/55.



Gel: 6%SDS-PAGE, Lysate: 40 µg;
Lane: Mouse liver tissue lysate;
Primary antibody: 216720(PC Antibody) at dilution 1/1100;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 1 second



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
