

## COX7B RABBIT PAB

**Cat.#:** S216277

**Product Name:** Anti-COX7B Rabbit Polyclonal Antibody

**Synonyms:** APLCC

**UNIPROT ID:** P24311 (Gene Accession - BC018386 )

**Background:** Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes subunit VIIb, which is highly similar to bovine COX VIIb protein and is found in all tissues. This gene may have several pseudogenes on chromosomes 1, 2, 20 and 22.

**Immunogen:** Fusion protein of human COX7B

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 100-300;WB: 500-2000;ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

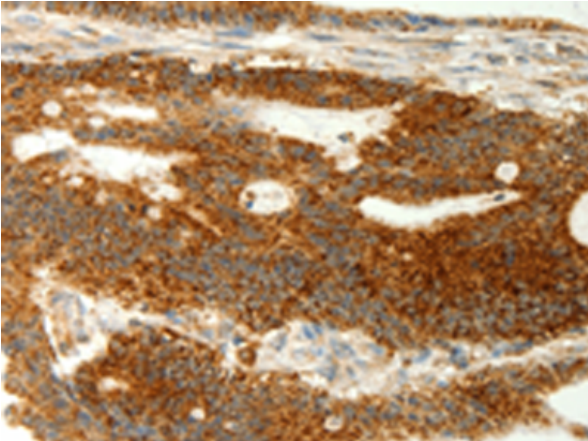
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Rat

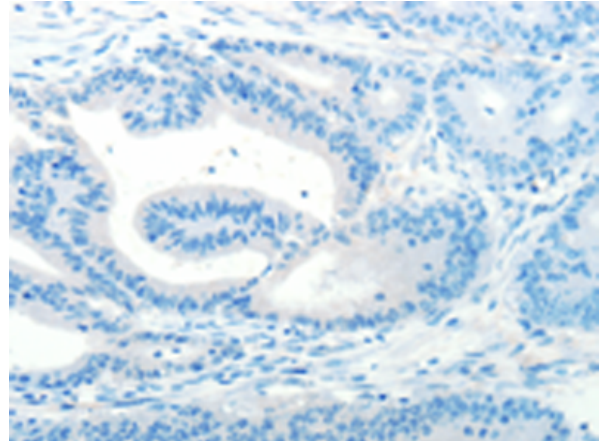
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism

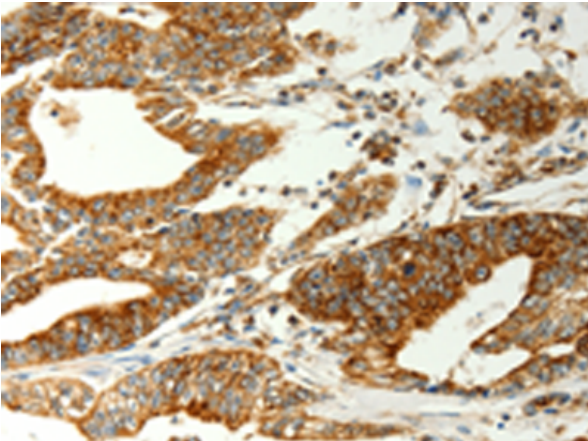
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



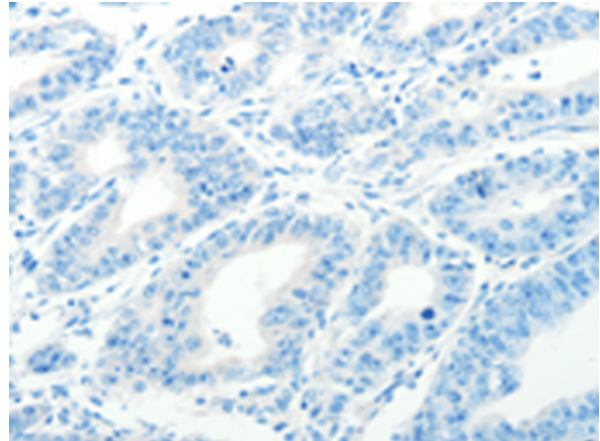
Immunohistochemistry analysis of paraffin embedded Human colon cancer tissue using 216277(COX7B Antibody) at a dilution of 1/70(Cytoplasm).



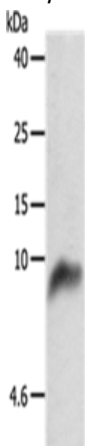
In comparison with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with the fusion protein and then with 216277(Anti-COX7B Antibody) at dilution 1/70.



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using 216277(Anti-COX7B Antibody) at a dilution of 1/70.



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with fusion protein and then with D220115(Anti-COX7B Antibody) at dilution 1/70.



Gel: 10+15%SDS-PAGE, Lysate: 50 µg;  
Lane: 293T cells;  
Primary antibody: 216277(COX7B Antibody) at dilution 1/800;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 40 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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