

COX7A2L RABBIT PAB

Cat.#: S216441

Product Name: Anti-COX7A2L Rabbit Polyclonal Antibody

Synonyms: EBI; SCAF1; SCAF1; SIG81; COX7AR; COX7RP

UNIPROT ID: O14548 (Gene Accession - BC007095)

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 a protein similar to polypeptides 1 and 2 of subunit VIIa in the C-terminal region, and also highly similar to the mouse Sig81 protein sequence. This gene is expressed in all tissues, and upregulated in a breast cancer cell line after estrogen treatment. It is possible that this gene represents a regulatory subunit of COX and mediates the higher level of energy production in target cells by estrogen. Several transcript variants, some protein-coding and others non-protein coding, have been found for this gene.

Immunogen: Fusion protein of human COX7A2L

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

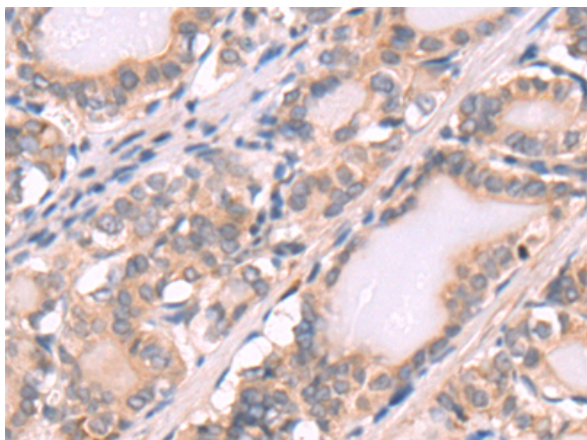
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

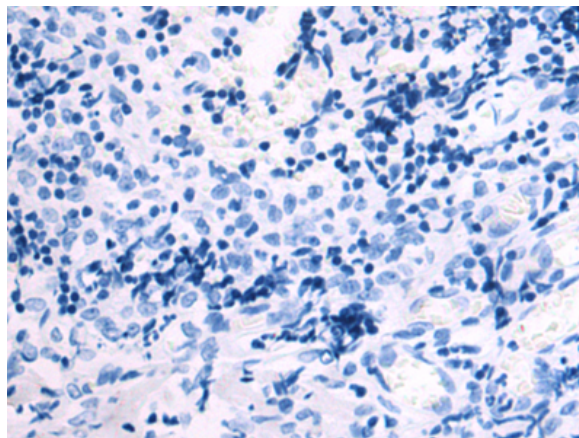
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cancer

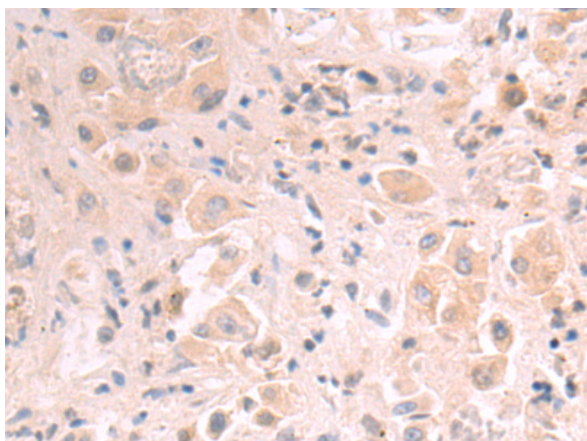
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



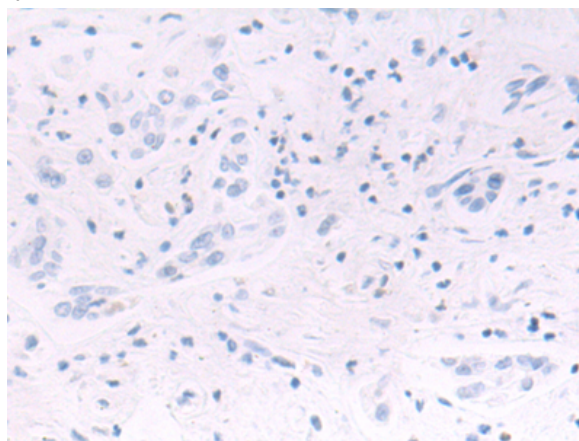
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 216441(COX7A2L Antibody) at a dilution of 1/65(Cytoplasm).



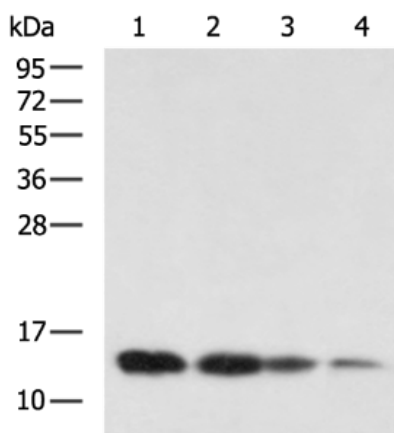
In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 216441(Anti-COX7A2L Antibody) at dilution 1/65.



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 216441(Anti-COX7A2L Antibody) at a dilution of 1/65.



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 D220471(Anti-COX7A2L Antibody) at dilution 1/65.



Gel: 12%SDS-PAGE, Lysate: 40 µg;
 Lane 1-4: A549, HepG2, Hela, RAW264.7 cell lysates;
 Primary antibody: 216441(COX7A2L Antibody) at dilution 1/550;
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
 Exposure time: 15 seconds



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
