COX7A2L RABBIT PAB

Cat.#: S216441
Product Name: Anti-COX7A2L Rabbit Polyclonal Antibody
Synonyms: EB1; SCAF1; SCAFI; 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

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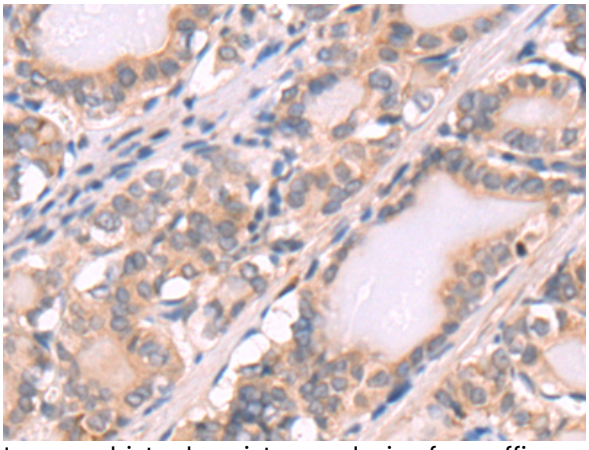
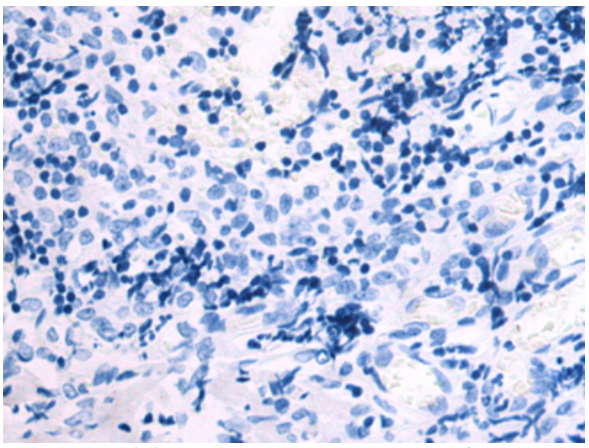
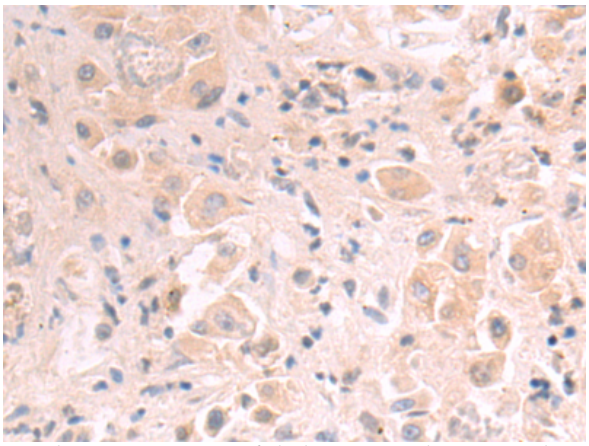


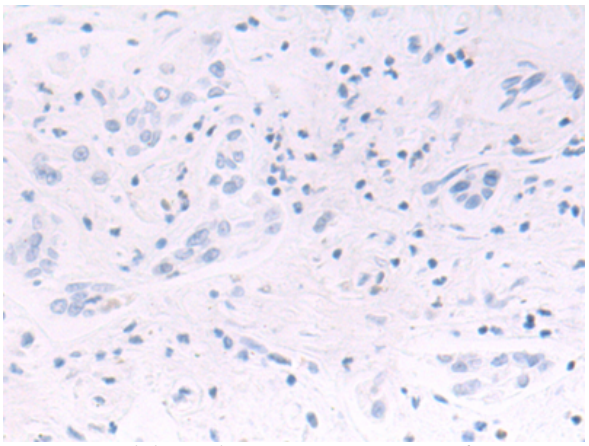
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 216441(COX7A2L Antibody) at a dilution of 1/65(Cytoplasm).



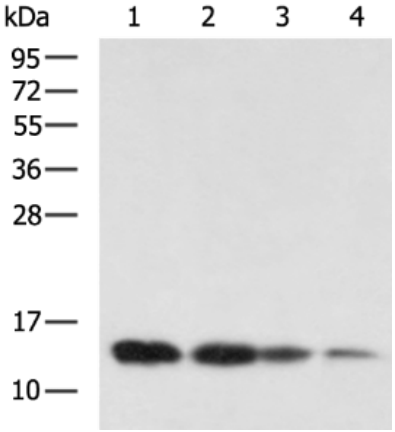
In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 216441(Anti-COX7A2L Antibody) at dilution 1/65.



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 comparision 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

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