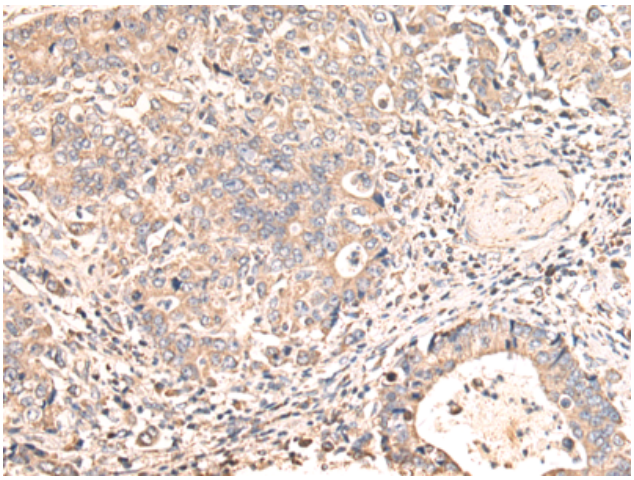
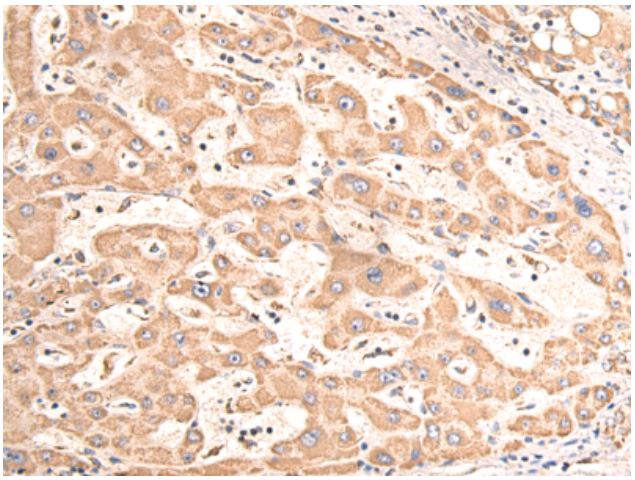
COX4I1 RABBIT PAB

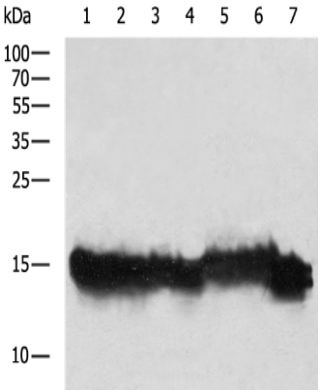
Cat.#: S221194
Product Name: Anti-COX4I1 Rabbit Polyclonal Antibody
Synonyms: COX4; COXIV; COX4-1; COXIV-1; MC4DN16; COX IV-1
UNIPROT ID: P13073 (Gene Accession - NP_001852)
Background: Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. Pseudogenes related to this gene are located on chromosomes 13 and 14. Alternative splicing results in multiple transcript variants encoding different isoforms.
Immunogen: Synthetic peptide of human COX4I1
Applications: ELISA, WB, IHC
Recommended Dilutions: IHC: 25-100;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
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 gastric cancer tissue using 221194(COX4I1 Antibody) at a dilution of 1/25(Cytoplasm).



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using 221194(Anti-COX4I1 Antibody) at a dilution of 1/25.



Gel: 12%SDS-PAGE, Lysate: 40 µg;
Lane 1-7: A549, PC3, 293T, NIH/3T3, Hela, HepG2, Mouse skeletal muscle tissue lysates;
Primary antibody: 221194(COX4I1 Antibody) at dilution 1/500;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 10 seconds