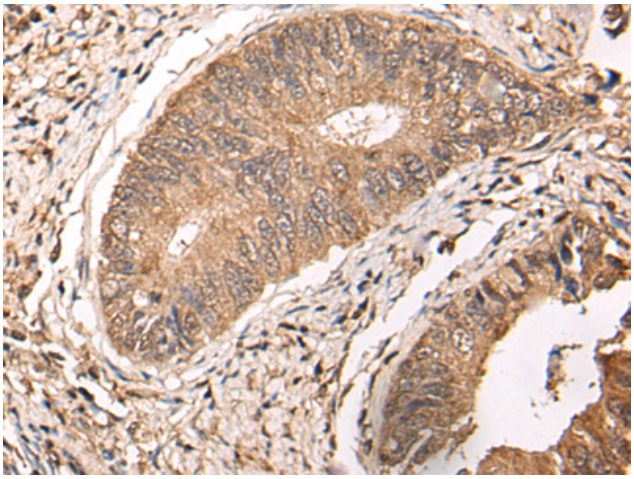
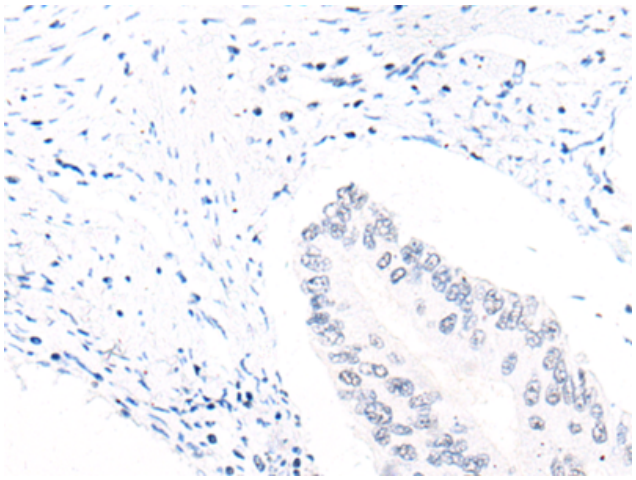
ATP5F1C RABBIT PAB

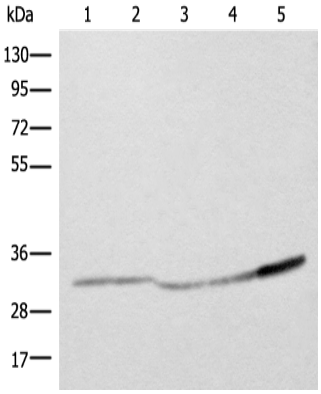
Cat.#: S218343
Product Name: Anti-ATP5F1C Rabbit Polyclonal Antibody
Synonyms: ATP5C; ATP5C1; ATP5CL1
UNIPROT ID: P36542 (Gene Accession - BC000470)
Background: This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the gamma subunit of the catalytic core. Alternatively spliced transcript variants encoding different isoforms have been identified. This gene also has a pseudogene on chromosome 14. [provided by RefSeq, Jul 2008]
Immunogen: Fusion protein of human ATP5F1C
Applications: ELISA, WB, IHC
Recommended Dilutions: IHC: 25-100;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, Rat
Constituents: PBS (without Mg2+ and Ca2+), 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 colorectal cancer tissue using 218343(ATP5F1C Antibody) at a dilution of 1/35(Cytoplasm and Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the fusion protein and then with 218343(Anti-ATP5F1C Antibody) at dilution 1/35.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane 1-5: Hela,HEPG2,Jurkat and A549 cell,Human heart tissue lysates;
Primary antibody: 218343(ATP5F1C Antibody) at dilution 1/650;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 5 seconds