

ATP5ME RABBIT PAB

Cat.#: S222110

Product Name: Anti-ATP5ME Rabbit Polyclonal Antibody

Synonyms: ATP5I; ATP5K

UNIPROT ID: P56385 (Gene Accession - NP_009031)

Background: Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F₁, and the membrane-spanning component, F_o, which comprises the proton channel. The F₁ complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The F_o seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the e subunit of the F_o complex. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010]

Immunogen: Synthetic peptide of human ATP5ME

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 30-150;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

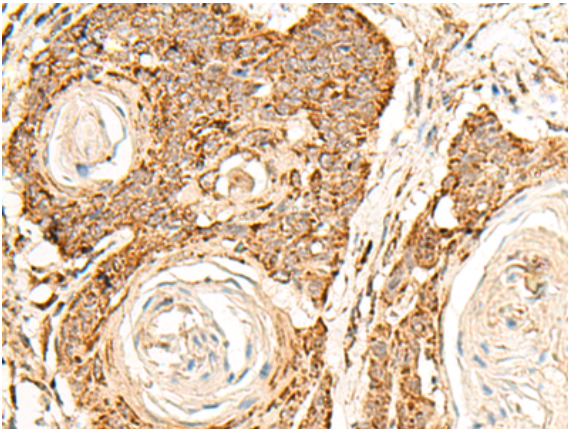
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

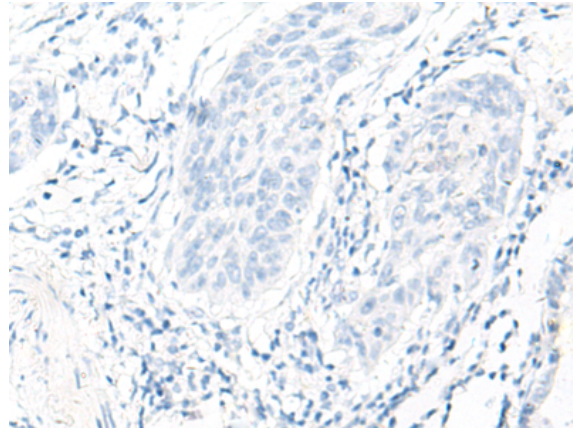
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism

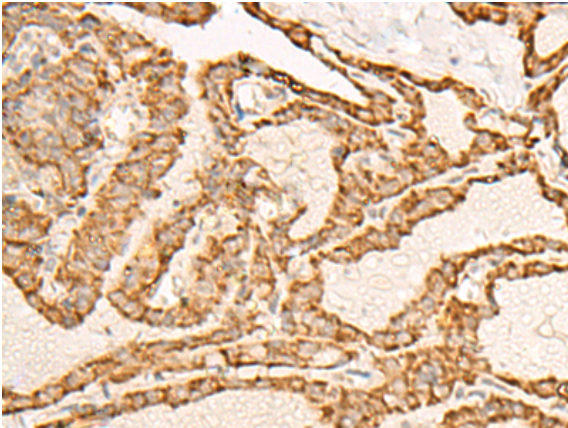
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



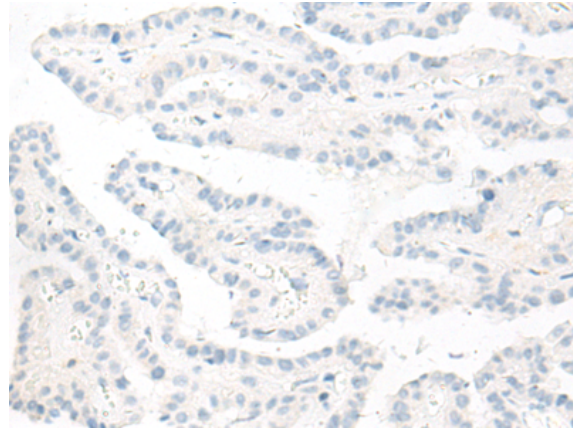
Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 222110(ATP5ME Antibody) at a dilution of 1/30(Cytoplasm).



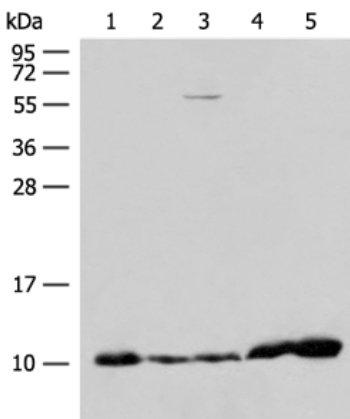
In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the synthetic peptide and then with 222110(Anti-ATP5ME Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 222110(Anti-ATP5ME Antibody) at a dilution of 1/30.



In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with synthetic peptide and then with D264040(Anti-ATP5ME Antibody) at dilution 1/30.



Gel: 12%SDS-PAGE, Lysate: 40 µg;
Lane 1-5: Human liver tissue, PC-3 cell, 293T cell,
Human fetal liver tissue, Human heart tissue
lysates;
Primary antibody: 222110(ATP5ME Antibody) at
dilution 1/200;
Secondary antibody: Goat anti rabbit IgG at 1/8000
dilution;
Exposure time: 15 seconds



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
