

## 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, F<sub>1</sub>, and the membrane-spanning component, F<sub>o</sub>, which comprises the proton channel. The F<sub>1</sub> 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<sub>o</sub> seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the e subunit of the F<sub>o</sub> 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

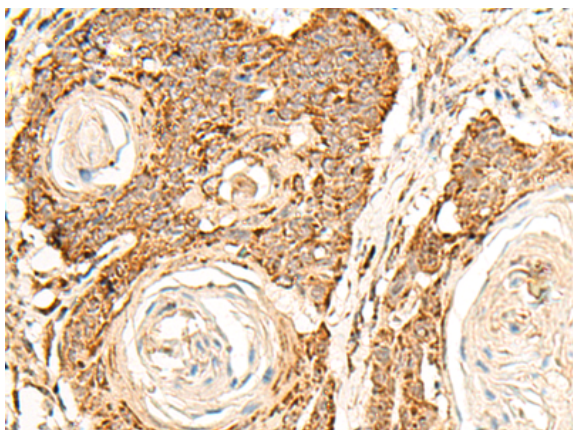
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

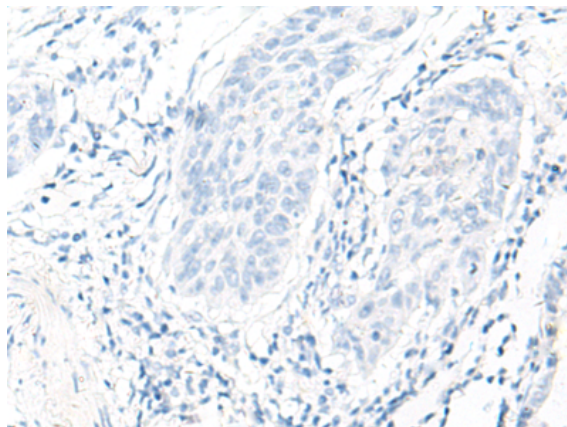
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism

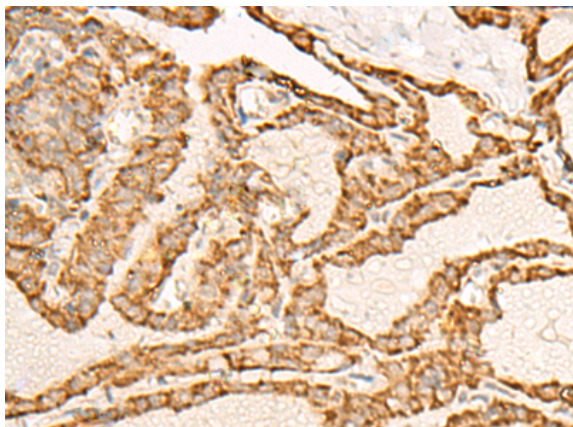
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



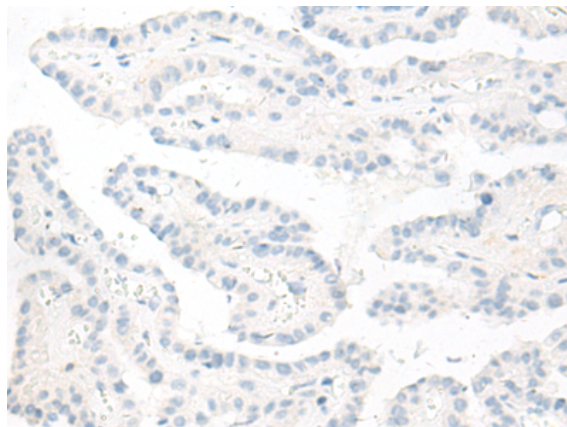
Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 222110(ATP5ME Antibody) at a dilution of 1/30(Cytoplasm).



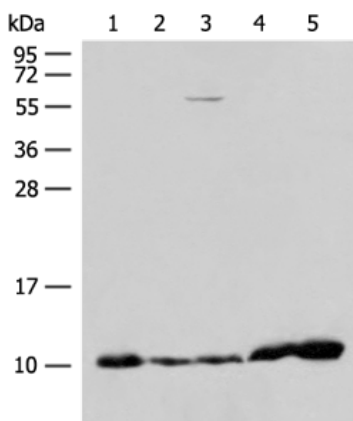
In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the synthetic peptide and then with 222110(Anti-ATP5ME Antibody) at dilution 1/30.



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

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