A18278

Leader in Biomolecular Solutions for Life Science

ATP5G3 Rabbit pAb

Catalog No.: A18278



Basic Information

Observed MW Refer to figures

Calculated MW 15kDa

Category Polyclonal Antibody

Applications WB,ELISA

Cross-Reactivity Human,Mouse,Rat

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, F0, 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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene is one of three genes that encode subunit c of the proton channel. Each of the three genes have distinct mitochondrial import sequences but encode the identical mature protein. Alternatively spliced transcript variants encoding different proteins have been identified.

Recommended Dilutions

Immunogen Information

WB

1:500 - 1:2000

Gene ID 518

Swiss Prot P48201

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 50 to the C-terminus of human ATP5G3 (NP 001002258.1).

Synonyms P3; ATP5G3; DYTSPG

Contact

Product Information

 www.abclonal.com

Source Rabbit **Isotype** IgG Purification Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.