

Datasheet for ABIN6295292 **anti-ATP5G1 antibody (Center)**

[Go to Product page](#)

Overview

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| Quantity: | 400 µL |
| Target: | ATP5G1 |
| Binding Specificity: | AA 27-56, Center |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ATP5G1 antibody is un-conjugated |
| Application: | Please inquire |

Product Details

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| Purpose: | Rabbit Anti-ATP5G1 (Center) Antibody |
| Immunogen: | This ATP5G1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-56 amino acids from the Central region of human ATP5G1. |

Target Details

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| Target: | ATP5G1 |
| Alternative Name: | ATP5G1 (ATP5G1 Products) |
| Background: | <p>Target Description: 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</p> |

Target Details

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 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 the same protein have been identified.

Gene Symbol: ATP5G1

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| Gene ID: | 516 |
| UniProt: | P05496 |
| Pathways: | Proton Transport , Ribonucleoside Biosynthetic Process |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Storage: | 4 °C,-20 °C |
| Storage Comment: | 2-8°C (short-term), -20°C (long-term) |