

## ATP5G2 rabbit pAb

Cat No.:ES6554

For research use only

## Overview

Product Name ATP5G2 rabbit pAb

Host species Rabbit

**Applications** WB;IHC;IF;ELISA **Species Cross-Reactivity** Human;Rat;Mouse;

**Recommended dilutions** Immunohistochemistry: 1/100 - 1/300. ELISA:

1/40000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human ATP5G2. AA range:1-50

**Specificity** ATP5G2 Polyclonal Antibody detects endogenous

levels of ATP5G2 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name ATP synthase lipid-binding protein mitochondrial

Gene Name ATP5G2

**Cellular localization** Mitochondrion membrane; Multi-pass membrane

protein.

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

**Observed band** 

Human Gene ID 517 Human Swiss-Prot Number Q06055

Alternative Names ATP5G2; PSEC0033; ATP synthase lipid-binding

protein; mitochondrial; ATP synthase proteolipid

P2; ATPase protein 9; ATPase subunit c

**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



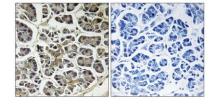
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linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and single representatives of the gamma, delta, and epsilon subunits. The proton channel likely has nine subunits (a, b, c, d, e, f, g, F6 and 8). There are three separate genes which encode subunit c of the proton channel and they specify precursors with different import sequences but iden

Immunohistochemistry analysis of paraffin-embedded human pancreas, using ATP5G2 Antibody. The picture on the right is blocked with the synthesized peptide.



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