

ATP5G2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00738
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5G2. AA range: 1-50
Mol wt	14637
Species reactivity	Human
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	ATP5G2 Antibody
Synonyms	ATP5G2; PSEC0033; ATP synthase lipid-binding protein; mitochondrial; ATP synthase proteolipid P2; ATPase protein 9; ATPase subunit c

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ATP5G2 (ATP synthase, H⁺ transporting, mitochondrial Fo complex subunit C2) 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, 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 identical mature proteins. The protein encoded by ATP5G2 is one of three precursors of subunit c. Alternatively spliced transcript variants encoding different isoforms have been identified. This gene has multiple pseudogenes.

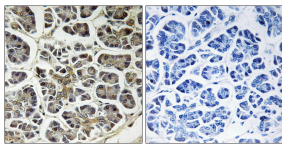
Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 40000

Not yet tested in other applications.

Images



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

Storage

-20°C for one year