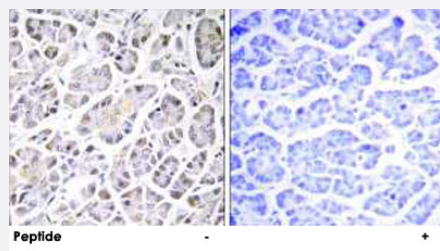


# ATP5G3 polyclonal antibody

Catalog # PAB17617      Size 100 ug

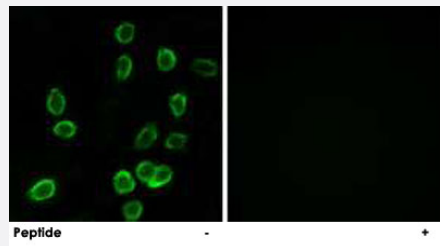
## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human pancreas tissue using ATP5G3 polyclonal antibody (Cat # PAB17617).

Peptide "+" means "with peptide blocking".



### Immunofluorescence

Immunofluorescence analysis of A-549 cells, using ATP5G3 polyclonal antibody (Cat # PAB17617).

Peptide "+" means "with peptide blocking".

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of ATP5G3.
<b>Immunogen</b>	A synthetic peptide corresponding to internal of human ATP5G3.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Rat
<b>Specificity</b>	This antibody detects endogenous levels of total ATP5G3 protein.
<b>Form</b>	Liquid

<b>Recommend Usage</b>	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:40000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ATP5G3

<b>Entrez GeneID</b>	<a href="#">518</a>
<b>Protein Accession#</b>	<a href="#">P48201</a>
<b>Gene Name</b>	ATP5G3
<b>Gene Alias</b>	MGC125738, P3
<b>Gene Description</b>	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit C3 (subunit 9)
<b>Omim ID</b>	<a href="#">602736</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

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, F<sub>1</sub>, and the membrane-spanning component, F<sub>o</sub>, 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. [provided by RefSeq]

**Other Designations**

ATP synthase lipid-binding protein, mitochondrial|ATP synthase proteolipid P3|ATP synthase subunit 9|ATP synthase, H<sup>+</sup> transporting, mitochondrial F<sub>0</sub> complex, subunit C3|ATP synthase, mitochondrial, C subunit-3|ATPase protein 9|ATPase subunit C

**Pathway**

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)