

ATP5G3 rabbit pAb**Cat#: orb769443 (Manual)**

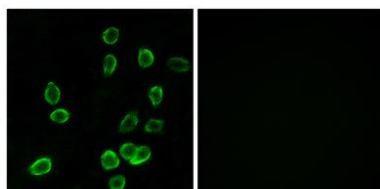
For research use only. Not intended for diagnostic use.

Product Name	ATP5G3 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5G3. AA range:1-50
Specificity	ATP5G3 Polyclonal Antibody detects endogenous levels of ATP5G3 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	ATP5G3
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

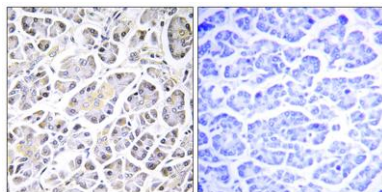
Concentration	1 mg/ml
Observed band	
Human Gene ID	518
Human Swiss-Prot Number	P48201
Alternative Names	ATP5G3; ATP synthase lipid-binding protein; mitochondrial; ATP synthase proteolipid P3; ATPase protein 9; ATPase subunit c

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 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



Immunofluorescence analysis of A549 cells, using ATP5G3 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human pancreas tissue, using ATP5G3 Antibody. The picture on the right is blocked with the synthesized peptide.