

ATP5G3 rabbit monoclonal antibody

Catalog # H00000518-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ATP5G3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ATP5G3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ATP5G3 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ATP5G3

Entrez GeneID	518
GeneBank Accession#	ATP5G3
Gene Name	ATP5G3
Gene Alias	MGC125738, P3
Gene Description	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit C3 (subunit 9)
Omim ID	602736
Gene Ontology	Hyperlink
Gene Summary	<p>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, 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. [provided by RefSeq]</p>
Other Designations	ATP synthase lipid-binding protein, mitochondrial ATP synthase proteolipid P3 ATP synthase subunit 9 ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit C3 ATP synthase, mitochondrial, C subunit-3 ATPase protein 9 ATPase subunit C

Pathway

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