

ATP5J rabbit monoclonal antibody

Catalog # H00000522-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ATP5J peptide using ARM Technology.
Immunogen	A synthetic peptide of human ATP5J 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 ATP5J 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 — ATP5J

Entrez GeneID	522
GeneBank Accession#	ATP5J
Gene Name	ATP5J
Gene Alias	ATP5, ATP5A, ATPM, CF6, F6
Gene Description	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit F6
Gene Ontology	Hyperlink
Gene Summary	Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, F0, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The F0 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the F6 subunit of the F0 complex, required for F1 and F0 interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000096107 OTTHUMP00000096108 OTTHUMP00000096110 OTTHUMP00000096111 OTTHUMP00000096112 mitochondrial ATP synthase, coupling factor 6 mitochondrial ATP synthase, subunit F6 mitochondrial ATPase coupling factor 6 proliferation-inducing protein 36

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)