ATP4B rabbit monoclonal antibody

Catalog # H00000496-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ATP4B peptide using ARM Technology.
Immunogen	A synthetic peptide of human ATP4B 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 ATP4B peptide by ELISA and mammalian transfected lysate by W estern 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 in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — ATP4B

Entrez GeneID	496
GeneBank Accession#	ATP4B
Gene Name	ATP4B
Gene Alias	ATP6B
Gene Description	ATPase, H+/K+ exchanging, beta polypeptide
Omim ID	137217
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H+, K+-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha sub unit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyz es the hydrolysis of ATP coupled with the exchange of H(+) and K(+) ions across the plasma mem brane. It is also responsible for gastric acid secretion. This gene encodes the beta subunit of the gastric H+, K+-ATPase. [provided by RefSeq
Other Designations	ATPase, H+/K+ transporting, beta polypeptide|gastric H+/K+ ATPase beta subunit|gastric hydrog en-potassium ATPase, beta|hydrogen/potassium-exchanging ATPase 4B|potassium-transporting ATPase beta chain|proton pump beta chain

Pathway

- Oxidative phosphorylation

Disease

- Cardiovascular Diseases