

# ATP12A rabbit monoclonal antibody

Catalog # H00000479-K      Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human ATP12A peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human ATP12A is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human ATP12A peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	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) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — ATP12A

Entrez GeneID	<a href="#">479</a>
GeneBank Accession#	<a href="#">ATP12A</a>
Gene Name	ATP12A
Gene Alias	ATP1AL1
Gene Description	ATPase, H <sup>+</sup> /K <sup>+</sup> transporting, nongastric, alpha polypeptide
Omim ID	<a href="#">182360</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene belongs to the family of P-type cation transport ATPases. This gene encodes a catalytic subunit of the ouabain-sensitive H <sup>+</sup> /K <sup>+</sup> -ATPase that catalyzes the hydrolysis of ATP coupled with the exchange of H <sup>(+)</sup> and K <sup>(+)</sup> ions across the plasma membrane. It is also responsible for potassium absorption in various tissues. [provided by RefSeq]
Other Designations	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha polypeptide-like 1 ATPase, Na <sup>+</sup> K <sup>+</sup> transporting, alpha-1 polypeptide-like OTTHUMP00000018132 OTTHUMP00000042326 hydrogen/potassium-exchanging ATPase 12A non-gastric H <sup>(+)</sup> /K <sup>(+)</sup> ATPase alpha subunit potassium-transporting ATP

## Pathway

- [Oxidative phosphorylation](#)

## Disease

- [Tobacco Use Disorder](#)