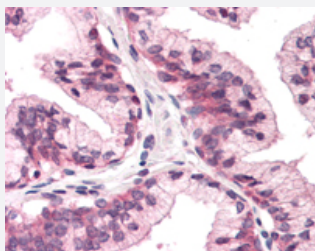


# ATP1B3 polyclonal antibody

Catalog # PAB28379

Size 50 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human prostate with ATP1B3 polyclonal antibody (Cat # PAB28379).  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of ATP1B3.
<b>Immunogen</b>	A synthetic peptide corresponding to 17 amino acids at internal region of human ATP1B3.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Monkey
<b>Specificity</b>	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
<b>Form</b>	Liquid
<b>Purification</b>	Immunoaffinity chromatography
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/ml) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human prostate with ATP1B3 polyclonal antibody (Cat # PAB28379). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

## Gene Info — ATP1B3

Entrez GeneID [483](#)

Protein Accession# [P54709](#)

Gene Name ATP1B3

Gene Alias ATPB-3, CD298, FLJ29027

Gene Description ATPase, Na<sup>+</sup>/K<sup>+</sup> transporting, beta 3 polypeptide

Omim ID [601867](#)

Gene Ontology [Hyperlink](#)

## Gene Summary

The protein encoded by this gene belongs to the family of Na<sup>+</sup>/K<sup>+</sup> and H<sup>+</sup>/K<sup>+</sup> ATPases beta chain proteins, and to the subfamily of Na<sup>+</sup>/K<sup>+</sup> -ATPases. Na<sup>+</sup>/K<sup>+</sup> -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na<sup>+</sup>/K<sup>+</sup> -ATPase is encoded by multiple genes. This gene encodes a beta 3 subunit. This gene encodes a beta 3 subunit. A pseudogene exists for this gene, and it is located on chromosome 2. [provided by RefSeq]

## Other Designations

Na<sup>+</sup>/K<sup>+</sup> -ATPase beta 3 subunit|Na, K-ATPase beta-3 polypeptide|sodium/potassium-dependent ATPase beta-3 subunit|sodium/potassium-transporting ATPase beta-3 chain

## Pathway

- [Cardiac muscle contraction](#)