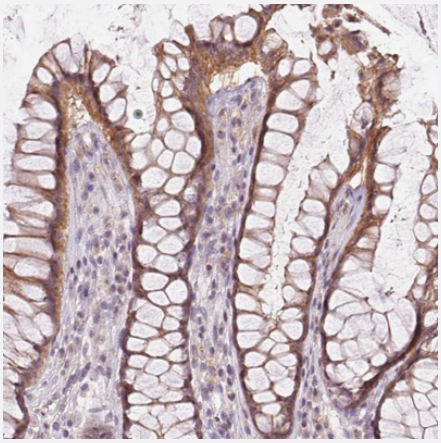
ATP1B3 polyclonal antibody

Catalog # PAB30267 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rectum with ATP1B3 polyclonal antibody (Cat # PAB30267) shows moderate cytoplasmic positivity in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human ATP1B3.
Immunogen	Recombinant protein corresponding to amino acids 115-172 of human ATP1B3.
Sequence	KPYTLEEQKNLTVCPDGALFEQKGPVYVACQFPISLLQACSGMNDPDFGYSQGNPCIL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200 - 1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — ATP1B3

Entrez GeneID	483
Protein Accession#	P54709
Gene Name	ATP1B3
Gene Alias	ATPB-3, CD298, FLJ29027
Gene Description	ATPase, Na+/K+ transporting, beta 3 polypeptide
Omim ID	601867
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the family of Na+/K+ and H+/K+ ATPases beta chai n proteins, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K io ns across the plasma membrane. These gradients are essential for osmoregulation, for sodium-c oupled transport of a variety of organic and inorganic molecules, and for electrical excitability of n erve 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 glycoprote in subunit of Na+/K+ -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 chro mosome 2. [provided by RefSeq
Other Designations	Na+/K+ -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