

ATP1B3 monoclonal antibody, clone 5G10

Catalog # MAB1723

Size 50 ug

Specification

Product Description	Mouse monoclonal antibody raised against native ATP1B3.
Immunogen	Native purified from human cancer cel line.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2a, kappa
Quality Control Testing	Antibody Reactive Against ATP1B3.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.1% proclin, 2.0% Block Ace)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry
- Immunoprecipitation
- Flow Cytometry

Gene Info — ATP1B3

Entrez GeneID

[483](#)

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	<p>The protein encoded by this gene belongs to the family of Na⁺/K⁺ and H⁺/K⁺ ATPases beta chain 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 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 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 chromosome 2. [provided by RefSeq]</p>
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](#)