

RecomAb™

ATP1B3 recombinant monoclonal antibody, clone R02-1B4

Catalog # RAB06026 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ATP1B3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ATP1B3.
Theoretical MW (kDa)	Calculated MW: 32 kD
Reactivity	Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)
Storage Instruction	Store at 4°C. 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 should be handled by trained staff only.

Applications

- Western Blot

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	<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](#)