

ATP1A3 monoclonal antibody (M04A), clone 1D2

Catalog # H00000478-M04A Size 200 uL

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ATP1A3.
Immunogen	ATP1A3 (NP_689509.1, 879 a.a. ~ 984 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NWDDRTVNDLEDSYGQQWTYEQRKVVEFTCHTAFFVSMVVQWADLIICKTRRNSVFQQGMKNKILIFGLFEETALAAFLSYCPGMDVALRMYPLKPSWWFCAFPY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (99)
Isotype	IgM Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — ATP1A3

Entrez GeneID	478
GeneBank Accession#	NM_152296

Protein Accession#	NP_689509.1
Gene Name	ATP1A3
Gene Alias	DYT12, MGC13276, RDP
Gene Description	ATPase, Na ⁺ /K ⁺ transporting, alpha 3 polypeptide
Omim ID	128235 182350
Gene Ontology	Hyperlink
Gene Summary	<p>The protein encoded by this gene belongs to the family of P-type cation transport ATPases, 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 catalytic subunit of Na⁺/K⁺ -ATPase is encoded by multiple genes. This gene encodes an alpha 3 subunit. [provided by RefSeq]</p>
Other Designations	Na ⁺ /K ⁺ -ATPase alpha 3 subunit Na ⁺ /K ⁺ ATPase 3 sodium pump 3 sodium-potassium-ATPase, alpha 3 polypeptide sodium/potassium-transporting ATPase alpha-3 chain

Pathway

- [Cardiac muscle contraction](#)

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)