

DNAxPAb

Hard-to-Find
Antibody

ATP1A1 DNAxPab

Catalog # H00000476-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ATP1A1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ATP1A1

Entrez GeneID	476
GeneBank Accession#	DQ891882.2
Protein Accession#	ABM82808.1
Gene Name	ATP1A1
Gene Alias	MGC3285, MGC51750
Gene Description	ATPase, Na ⁺ /K ⁺ transporting, alpha 1 polypeptide
Omim ID	182310
Gene Ontology	Hyperlink
Gene Summary	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 1 subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	G00-119-711 Na ⁺ , K ⁺ ATPase alpha subunit Na ⁺ /K ⁺ -ATPase alpha 1 subunit Na ⁺ /K ⁺ ATPase 1 Na, K-ATPase, alpha-A catalytic polypeptide Na,K-ATPase alpha-1 subunit Na,K-ATPase catalytic subunit alpha-A protein Na/K-ATPase alpha subunit fragment (aa 1-149) OTT

Pathway

- [Cardiac muscle contraction](#)

Disease

- [Altitude Sickness](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Graves Disease](#)
- [Hypertension](#)
- [Hypokalemic Periodic Paralysis](#)