

DNAxPAb

Hard-to-Find
Antibody

ATP1A2 DNAxPab

Catalog # H00000477-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ATP1A2 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 — ATP1A2

Entrez GeneID	477
GeneBank Accession#	NM_000702.2
Protein Accession#	NP_000693.1
Gene Name	ATP1A2
Gene Alias	FHM2, MGC59864, MHP2
Gene Description	ATPase, Na ⁺ /K ⁺ transporting, alpha 2 (+) polypeptide
Omim ID	104290 182340 602481
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 2 subunit. Mutations in this gene result in familial basilar or hemiplegic migraines, and in a rare syndrome known as alternating hemiplegia of childhood. [provided by RefSeq]
Other Designations	Na ⁺ /K ⁺ -ATPase alpha 2 subunit Na ⁺ /K ⁺ ATPase 2 Na ⁺ /K ⁺ ATPase, alpha-A(+) catalytic polypeptide Na ⁺ /K ⁺ ATPase, alpha-B polypeptide OTTHUMP00000025754 sodium pump subunit alpha-2 sodium-potassium ATPase sodium/potassium-transporting ATPase alpha-2 chain

Pathway

- [Cardiac muscle contraction](#)

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epilepsy](#)

- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hemiplegia](#)
- [Hypertension](#)
- [Hypokalemic Periodic Paralysis](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)