ATP1A1 (Human) Cell-Based ELISA Kit

Catalog # KA2594 Size 1 Kit

Specification

Product Description	ATP1A1 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative de termination of ATP1A1 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — ATP1A1

Entrez GeneID	476
Protein Accession#	P05023
Gene Name	ATP1A1
Gene Alias	MGC3285, MGC51750
Gene Description	ATPase, Na+/K+ transporting, alpha 1 polypeptide

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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

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