

Human Sodium/potassium transporting ATPase subunit Alpha 2 (ATP1A2) ELISA Kit | ATP1A2 elisa kit

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CATALOG #
AAA246415

REACTIVITY
Human

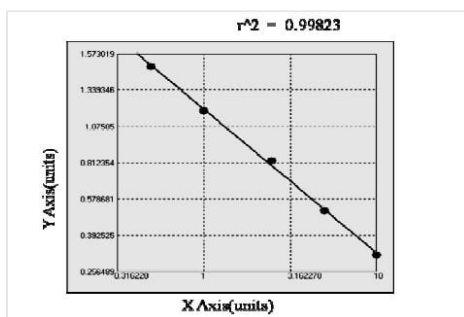
PRODUCT SYNONYMS

Sodium/potassium transporting ATPase subunit Alpha 2 (ATP1A2); Human Sodium/potassium transporting ATPase subunit Alpha 2 (ATP1A2) ELISA Kit; ATP1A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP1A2 elisa kit

Intended Uses: This ATP1A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATP1A2. This ELISA kit for research use only!

Principle of the Assay||ATP1A2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-ATP1A2 antibody and an ATP1A2-HRP conjugate. The assay sample and buffer are incubated together with ATP1A2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ATP1A2 concentration since ATP1A2 from samples and ATP1A2-HRP conjugate compete for the anti-ATP1A2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP1A2 from the sample, fewer sites are left to bind ATP1A2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP1A2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ATP1A2 elisa kit	Neuroscience
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502271
NCBI GeneID	477
NCBI Accession #	NP_000693.1
NCBI GenBank Nucleotide #	NM_000702.3
Molecular Weight	112,265 Da
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit alpha-2 proprotein
NCBI Official Synonym Full Names	ATPase, Na+/K+ transporting, alpha 2 polypeptide
NCBI Official Symbol	ATP1A2
NCBI Official Synonym Symbols	FHM2; MHP2
NCBI Protein Information	sodium/potassium-transporting ATPase subunit alpha-2; sodium pump subunit alpha-2; Na(+)/K(+) ATPase alpha-2 subunit; Na+/K+ ATPase, alpha-B polypeptide; Na+/K+ ATPase, alpha-A(+) catalytic polypeptide; sodium-potassium ATPase catalytic subunit alpha-2; sodium/potassium-transporting ATPase alpha-2 chain
UniProt Protein Name	Sodium/potassium-transporting ATPase subunit alpha-2
UniProt Gene Name	ATP1A2
UniProt Synonym Gene Names	KIAA0778; Na(+)/K(+) ATPase alpha-2 subunit
UniProt Entry Name	AT1A2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/sodium-potassium-transporting-atpase-subunit-alpha-2-atp1a2/246415>