

Human Sodium/potassium transporting ATPase subunit Alpha 3 (ATP1A3) ELISA Kit | ATP1A3 elisa kit

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CATALOG #
AAA245379

REACTIVITY
Human

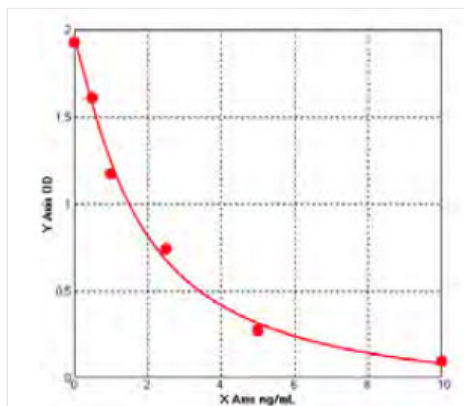
PRODUCT SYNONYMS

Sodium/potassium transporting ATPase subunit Alpha 3 (ATP1A3); Human Sodium/potassium transporting ATPase subunit Alpha 3 (ATP1A3) ELISA Kit; ATP1A3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP1A3. No significant cross-reactivity or interference between ATP1A3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATP1A3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP1A3 elisa kit	Principle of the Assay: ATP1A3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATP1A3 antibody and an ATP1A3-HRP conjugate. The assay sample and buffer are incubated together with ATP1A3-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 ATP1A3 concentration since ATP1A3 from samples and ATP1A3-HRP conjugate compete for the anti-ATP1A3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP1A3 from the sample, fewer sites are left to bind ATP1A3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP1A3 concentration in each sample is interpolated from this standard curve. Intended Uses: This ATP1A3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanATP1A3. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ATP1A3 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	371940940
NCBI GeneID	478
NCBI Accession #	NP_001243143.1
NCBI GenBank Nucleotide #	NM_001256214.1
Molecular Weight	113,059 Da
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit alpha-3 isoform 3
NCBI Official Synonym Full Names	ATPase, Na+/K+ transporting, alpha 3 polypeptide
NCBI Official Symbol	ATP1A3
NCBI Official Synonym Symbols	RDP; AHC2; DYT12
NCBI Protein Information	sodium/potassium-transporting ATPase subunit alpha-3; Na+/K+ ATPase 3; sodium pump subunit alpha-3; Na(+)/K(+) ATPase alpha-3 subunit; Na(+)/K(+) ATPase alpha(III) subunit; sodium-potassium-ATPase, alpha 3 polypeptide; sodium-potassium ATPase catalytic subunit alpha-3; sodium/potassium-transporting ATPase alpha-3 chain
UniProt Protein Name	Sodium/potassium-transporting ATPase subunit alpha-3
UniProt Gene Name	ATP1A3
UniProt Synonym Gene Names	Na(+)/K(+) ATPase alpha-3 subunit
UniProt Entry Name	AT1A3_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-3-atp1a3/245379>