

Human Potassium-transporting ATPase alpha chain 2 ELISA Kit | ATP12A elisa kit

Human Potassium-transporting ATPase alpha chain 2 (ATP12A) ELISA Kit

CATALOG # AAA55516	REACTIVITY Human
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PRODUCT SYNONYMS

Potassium-transporting ATPase alpha chain 2; Human Potassium-transporting ATPase alpha chain 2 (ATP12A) ELISA Kit; ATP12A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ATP12A. No significant cross-reactivity or interference between Human ATP12A and analogues was observed.
Sequence Length	1039
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for ATP12A elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ATP12A in samples. An antibody specific for ATP12A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ATP12A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ATP12A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ATP12A bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	297374799
NCBI GeneID	479
NCBI Accession #	NP_001172014.1
NCBI GenBank Nucleotide #	NM_001185085.1
UniProt Accession #	P54707 ; Q13816 ; Q13817 ; Q16734 ; Q5W035 ; Q8N5U2

Molecular Weight	116,053 Da
NCBI Official Full Name	potassium-transporting ATPase alpha chain 2 isoform 1
NCBI Official Synonym Full Names	ATPase H ⁺ /K ⁺ transporting non-gastric alpha2 subunit
NCBI Official Symbol	ATP12A
NCBI Official Synonym Symbols	HK; ATP1AL1
NCBI Protein Information	potassium-transporting ATPase alpha chain 2
UniProt Protein Name	Potassium-transporting ATPase alpha chain 2
UniProt Gene Name	ATP12A
UniProt Synonym Gene Names	ATP1AL1

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://www.aaabiotech.com/atp12a-human-elisa-kits/potassium-transporting-atpase-alpha-chain-2/55516>