

# Human Sodium/potassium-transporting ATPase subunit alpha-3 ELISA Kit | ATP1A3 elisa kit

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CATALOG #  
**AAA194974**

REACTIVITY  
**Human**

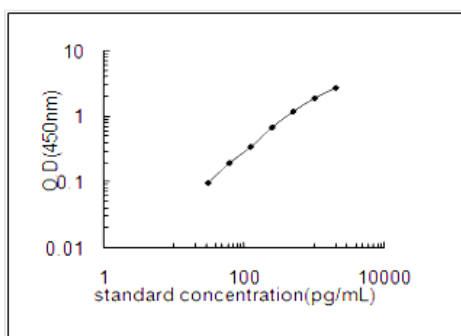
## PRODUCT SYNONYMS

Sodium/potassium-transporting ATPase subunit alpha-3; Human Sodium/potassium-transporting ATPase subunit alpha-3 ELISA Kit; Na(+)/K(+) ATPase alpha-3 subunit; Na(+)/K(+) ATPase alpha(III) subunit; Sodium pump subunit alpha-3; ATP1A3; 3.6.3.9; ATP1A3 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                               |
| Specificity             | This assay recognizes recombinant and natural humanNa(+)/K(+) ATPase alpha-3 subunit. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 1024                                                                                                                                                |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids                                                               |
| Intra-Assay CV          | <=5.8%                                                                                                                                              |
| Inter-Assay CV          | <=9.9%                                                                                                                                              |
| Recovery                | 94%                                                                                                                                                 |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                                                 |

## IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ATP1A3 elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 371940938                                                      |
| NCBI GeneID                      | 478                                                            |
| NCBI Accession #                 | NP_001243142.1                                                 |
| NCBI GenBank Nucleotide #        | NM_001256213.1                                                 |
| UniProt Accession #              | P13637; Q16732; Q16735; Q969K5; B7Z2T0; B7Z401; F5H6J6         |
| Molecular Weight                 | 113,059 Da                                                     |
| NCBI Official Full Name          | sodium/potassium-transporting ATPase subunit alpha-3 isoform 2 |
| NCBI Official Synonym Full Names | ATPase Na+/K+ transporting subunit alpha 3                     |
| NCBI Official Symbol             | ATP1A3                                                         |
| NCBI Official Synonym Symbols    | RDP; AHC2; CAPOS; DYT12                                        |
| NCBI Protein Information         | sodium/potassium-transporting ATPase subunit alpha-3           |
| 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://www.aaabiotech.com/atp1a3-human-elisa-kits/sodium-potassium-transporting-atpase-subunit-alpha-3/194974>