

Rat Sodium/potassium-transporting ATPase subunit alpha-3 ELISA Kit | Atp1a3 elisa kit

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CATALOG #
AAA100470

REACTIVITY
Rat

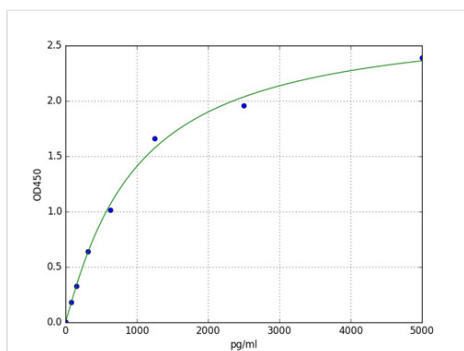
PRODUCT SYNONYMS

Sodium/potassium-transporting ATPase subunit alpha-3; Rat Sodium/potassium-transporting ATPase subunit alpha-3 ELISA Kit; Atp1a3; Atp1a3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1026
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Atp1a3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.006	0.239	0.387	0.900	1.336	1.784	2.132	2.413

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Atp1a3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Atp1a3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Atp1a3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Atp1a3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Atp1a3 can be calculated.

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 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://stage.aaabiotech.com/atp1a3-rat-elisa-kits/sodium-potassium-transporting-atpase-subunit-alpha-3/100470>