

Rat ATPase, Na+/K+ Transporting Beta 4 Polypeptide (ATP1b4) ELISA Kit | ATP1b4 elisa kit

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CATALOG #
AAA67684

REACTIVITY
Rat

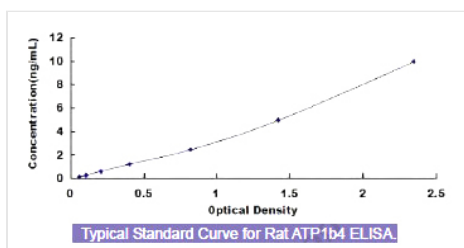
PRODUCT SYNONYMS

ATPase; Na+/K+ Transporting Beta 4 Polypeptide (ATP1b4); Rat ATPase; Na+/K+ Transporting Beta 4 Polypeptide (ATP1b4) ELISA Kit; ATP1b4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP1b4. No significant cross-reactivity or interference between ATP1b4 and analogues was observed.
Sequence Length	356
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATP1b4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ATP1b4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP1b4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ATP1b4 in rat tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATP1b4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ATP1b4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ATP1b4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ATP1b4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16758112
NCBI GeneID	84396
NCBI Accession #	NP_445833.1
NCBI GenBank Nucleotide #	NM_053381.1
UniProt Accession #	Q9R193; Q9R192
Molecular Weight	41,059 Da
NCBI Official Full Name	protein ATP1B4
NCBI Official Synonym Full Names	ATPase Na+/K+ transporting family member beta 4
NCBI Official Symbol	Atp1b4
NCBI Official Synonym Symbols	Ac2-628
NCBI Protein Information	protein ATP1B4
UniProt Protein Name	Protein ATP1B4
UniProt Gene Name	Atp1b4

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/rat-elisa-kits/atpase-na-k-transporting-beta-4-polypeptide-atp1b4/67684>