

Mouse ATPase, Na⁺/K⁺ Transporting Beta 1 Polypeptide (ATP1b1) ELISA Kit | ATP1b1 elisa kit

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CATALOG # AAA63403	REACTIVITY Mouse
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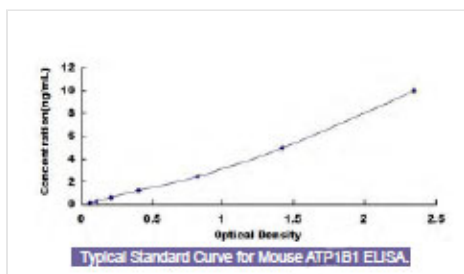
PRODUCT SYNONYMS

ATPase; Na⁺/K⁺ Transporting Beta 1 Polypeptide (ATP1b1); Mouse ATPase; Na⁺/K⁺ Transporting Beta 1 Polypeptide (ATP1b1) ELISA Kit; ATP1B; Sodium/potassium-dependent ATPase subunit beta-1; ATP1b1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP1B1. No significant cross-reactivity or interference between ATP1B1 and analogues was observed.
Sequence Length	304
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.068ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATP1B1 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 ATP1B1 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 ATP1b1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ATP1B1 in mouse 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 ATP1B1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ATP1B1. 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 ATP1B1, 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 ATP1B1 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 #	6753138
NCBI GeneID	11931
NCBI Accession #	NP_033851.1
NCBI GenBank Nucleotide #	NM_009721.6
UniProt Accession #	P14094
Molecular Weight	35,195 Da
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit beta-1
NCBI Official Synonym Full Names	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide
NCBI Official Symbol	Atp1b1
NCBI Official Synonym Symbols	Atpb; Atp4b; Atpb-1; NKbeta1
NCBI Protein Information	sodium/potassium-transporting ATPase subunit beta-1
UniProt Protein Name	Sodium/potassium-transporting ATPase subunit beta-1
UniProt Gene Name	Atp1b1
UniProt Synonym Gene Names	Atp4b

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/mouse-elisa-kits/atpase-na-k-transporting-beta-1-polypeptide-atp1b1/63403>