

Mouse ATPase, Na⁺/K⁺ Transporting Alpha 2 Polypeptide (ATP1a2) ELISA Kit | ATP1a2 elisa kit

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CATALOG # AAA65200	REACTIVITY Mouse
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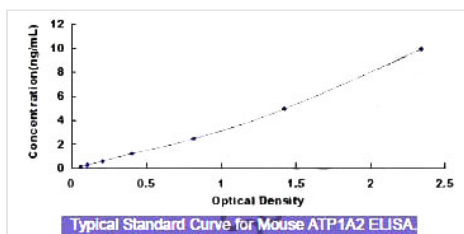
PRODUCT SYNONYMS

ATPase; Na⁺/K⁺ Transporting Alpha 2 Polypeptide (ATP1a2); Mouse ATPase; Na⁺/K⁺ Transporting Alpha 2 Polypeptide (ATP1a2) ELISA Kit; FHM2; MHP2; Migraine; Hemiplegic 2; Sodium pump subunit alpha-2; Sodium/potassium-transporting ATPase subunit alpha-2; ATP1a2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP1A2. No significant cross-reactivity or interference between ATP1A2 and analogues was observed.
Sequence Length	1020
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.042ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATP1A2 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 ATP1A2 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 ATP1a2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ATP1A2 in mouse tissue homogenates, cell lysates, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATP1A2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ATP1A2. 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 ATP1A2, 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 ATP1A2 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 #	30409956
NCBI GeneID	98660
NCBI Accession #	NP_848492.1
NCBI GenBank Nucleotide #	NM_178405.3
UniProt Accession #	Q6PIE5; Q80UZ8
Molecular Weight	112,217 Da
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit alpha-2
NCBI Official Synonym Full Names	ATPase, Na ⁺ /K ⁺ transporting, alpha 2 polypeptide
NCBI Official Symbol	Atp1a2
NCBI Official Synonym Symbols	Atpa-3; AW060654; mKIAA0778
NCBI Protein Information	sodium/potassium-transporting ATPase subunit alpha-2
UniProt Protein Name	Sodium/potassium-transporting ATPase subunit alpha-2
UniProt Gene Name	Atp1a2
UniProt Synonym Gene Names	Na ⁽⁺⁾ /K ⁽⁺⁾ ATPase alpha-2 subunit

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-alpha-2-polypeptide-atp1a2/65200>