

Human Calcium-Transporting ATPase Type 2C Member 1 (ATP2C1) ELISA Kit | ATP2C1 elisa kit

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CATALOG # AAA68388	REACTIVITY Human
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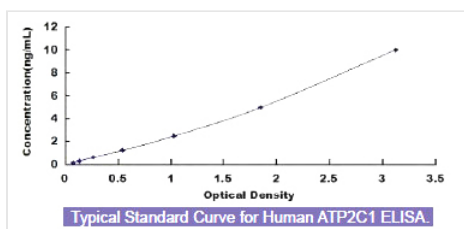
PRODUCT SYNONYMS

Calcium-Transporting ATPase Type 2C Member 1 (ATP2C1); Human Calcium-Transporting ATPase Type 2C Member 1 (ATP2C1) ELISA Kit; ATPase 2C1; ATP-dependent Ca(2+) pump PMR1; HUSSY-28; ATP2C1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP2C1. No significant cross-reactivity or interference between ATP2C1 and analogues was observed.
Sequence Length	888
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.077ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATP2C1 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 ATP2C1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP2C1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ATP2C1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATP2C1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ATP2C1. 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 ATP2C1, 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 ATP2C1 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 #	48762687
NCBI GeneID	27032
NCBI Accession #	NP_001001485.1
NCBI GenBank Nucleotide #	NM_001001485.2
UniProt Accession #	P98194; O76005; Q86V72; Q86V73; Q8N6V1; Q8NCJ7; B2RAT7; B4DSW3; B7Z3X9; G3XAH8; G8JLN9
Molecular Weight	104,032 Da
NCBI Official Full Name	calcium-transporting ATPase type 2C member 1 isoform 1c
NCBI Official Synonym Full Names	ATPase secretory pathway Ca2+ transporting 1
NCBI Official Symbol	ATP2C1
NCBI Official Synonym Symbols	HHD; BCPM; PMR1; SPCA1; hSPCA1; ATP2C1A
NCBI Protein Information	calcium-transporting ATPase type 2C member 1
UniProt Protein Name	Calcium-transporting ATPase type 2C member 1
UniProt Gene Name	ATP2C1
UniProt Synonym Gene Names	KIAA1347; PMR1L; ATPase 2C1

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/human-elisa-kits/calcium-transporting-atpase-type-2c-member-1-atp2c1/68388>