

Human ATPase, Ca++ Transporting, Plasma Membrane 2 (ATP2B2) ELISA Kit | ATP2B2 elisa kit

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CATALOG # AAA68512	REACTIVITY Human
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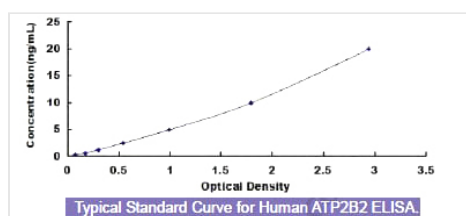
PRODUCT SYNONYMS

ATPase; Ca++ Transporting; Plasma Membrane 2 (ATP2B2); Human ATPase; Plasma Membrane 2 (ATP2B2) ELISA Kit; PMCA2; Plasma Membrane Ca2+ Pump 2; Plasma Membrane Calcium-Transporting ATPase 2; ATP2B2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP2B2. No significant cross-reactivity or interference between ATP2B2 and analogues was observed.
Sequence Length	1243
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.112ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATP2B2 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 ATP2B2 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 ATP2B2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ATP2B2 in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATP2B2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ATP2B2. 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 ATP2B2, 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 ATP2B2 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 #	48255951
NCBI GeneID	491
NCBI Accession #	NP_001001331.1
NCBI GenBank Nucleotide #	NM_001001331.3
UniProt Accession #	Q01814; O00766; Q12994; Q16818
Molecular Weight	134,040 Da
NCBI Official Full Name	plasma membrane calcium-transporting ATPase 2 isoform 1
NCBI Official Synonym Full Names	ATPase plasma membrane Ca2+ transporting 2
NCBI Official Symbol	ATP2B2
NCBI Official Synonym Symbols	PMCA2; PMCA2a; PMCA2i
NCBI Protein Information	plasma membrane calcium-transporting ATPase 2
UniProt Protein Name	Plasma membrane calcium-transporting ATPase 2
UniProt Gene Name	ATP2B2
UniProt Synonym Gene Names	PMCA2; PMCA2

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/atpase-ca-transporting-plasma-membrane-2-atp2b2/68512>