

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

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CATALOG # AAA65084	REACTIVITY Mouse
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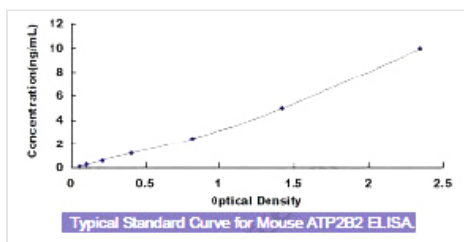
PRODUCT SYNONYMS

ATPase; Ca⁺⁺ Transporting; Plasma Membrane 2 (ATP2B2); Mouse 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	Mouse
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	1198
Samples	Tissue homogenates, cell lysates 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 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%
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 ATP2B2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ATP2B2 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 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 #	80861454
NCBI GeneID	11941
NCBI Accession #	NP_001031761.1
NCBI GenBank Nucleotide #	NM_001036684.3
UniProt Accession #	Q9R0K7; O88863
Molecular Weight	132,588 Da
NCBI Official Full Name	plasma membrane calcium-transporting ATPase 2 isoform 1
NCBI Official Synonym Full Names	ATPase, Ca++ transporting, plasma membrane 2
NCBI Official Symbol	Atp2b2
NCBI Official Synonym Symbols	Tmy; dfw; jog; wms; wri; PMCA2; D6Abb2e; Gena300
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/atpase-ca-transporting-plasma-membrane-2-atp2b2/65084>