

Rat Plasma membrane calcium-transporting ATPase 2 ELISA Kit | Atp2b2 elisa kit

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CATALOG #
AAA193289

REACTIVITY
Rat

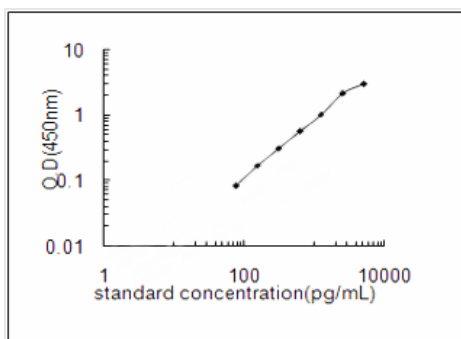
PRODUCT SYNONYMS

Plasma membrane calcium-transporting ATPase 2; Rat Plasma membrane calcium-transporting ATPase 2 ELISA Kit; PMCA2; Plasma membrane calcium ATPase isoform 2; Plasma membrane calcium pump isoform 2; Atp2b2; 3.6.3.8; Atp2b2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat PMCA2. No significant cross-reactivity or interference was observed.
Sequence Length	1198
Samples	Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids
Detection Range	78.0 pg/mL -5000 pg/mL
Sensitivity	28 pg/mL
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Atp2b2 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat PMCA2 concentrations in serum, Plasma, tissue homogenates and 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 PMCA2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for PMCA2 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain PMCA2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The concentration of PMCA2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978557
NCBI GeneID	24215
NCBI Accession #	NP_036640.1
NCBI GenBank Nucleotide #	NM_012508.5
UniProt Accession #	P11506; Q63443
Molecular Weight	132,616 Da
NCBI Official Full Name	plasma membrane calcium-transporting ATPase 2
NCBI Official Synonym Full Names	ATPase plasma membrane Ca2+ transporting 2
NCBI Official Symbol	Atp2b2
NCBI Official Synonym Symbols	PMCA2
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
UniProt Entry Name	AT2B2_RAT

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/atp2b2-rat-elisa-kits/plasma-membrane-calcium-transporting-atpase-2/193289>