

Rat Plasma membrane calcium-transporting ATPase 1 (ATP2B1) ELISA Kit | ATP2B1 elisa kit

Rat Plasma membrane calcium-transporting ATPase 1 (ATP2B1) ELISA Kit

CATALOG # AAA246719	REACTIVITY Rat
-------------------------------	--------------------------

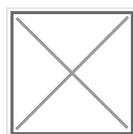
PRODUCT SYNONYMS

Plasma membrane calcium-transporting ATPase 1 (ATP2B1); Rat Plasma membrane calcium-transporting ATPase 1 (ATP2B1) ELISA Kit; ATP2B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP2B1 elisa kit	Intended Uses: This ATP2B1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ATP2B1. This ELISA kit for research use only! Principle of the Assay: ATP2B1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ATP2B1 antibody and an ATP2B1-HRP conjugate. The assay sample and buffer are incubated together with ATP2B1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ATP2B1 concentration since ATP2B1 from samples and ATP2B1-HRP conjugate compete for the anti-ATP2B1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP2B1 from the sample, fewer sites are left to bind ATP2B1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP2B1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ATP2B1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255945
NCBI GeneID	490

NCBI Accession #	NP_001673.2
NCBI GenBank Nucleotide #	NM_001682.2
Molecular Weight	130,617 Da
NCBI Official Full Name	plasma membrane calcium-transporting ATPase 1 isoform 1b
NCBI Official Synonym Full Names	ATPase, Ca++ transporting, plasma membrane 1
NCBI Official Symbol	ATP2B1
NCBI Official Synonym Symbols	PMCA1; PMCA1kb
NCBI Protein Information	plasma membrane calcium-transporting ATPase 1; plasma membrane calcium pump
UniProt Protein Name	Plasma membrane calcium-transporting ATPase 1
UniProt Gene Name	ATP2B1
UniProt Synonym Gene Names	PMCA1; PMCA1
UniProt Entry Name	AT2B1_HUMAN

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/rat-elisa-kits/plasma-membrane-calcium-transporting-atpase-1-atp2b1/246719>