

Rat Sarcoplasmic/endoplasmic reticulum calcium ATPase 3 ELISA Kit | Atp2a3 elisa kit

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CATALOG #
AAA100560

REACTIVITY
Rat

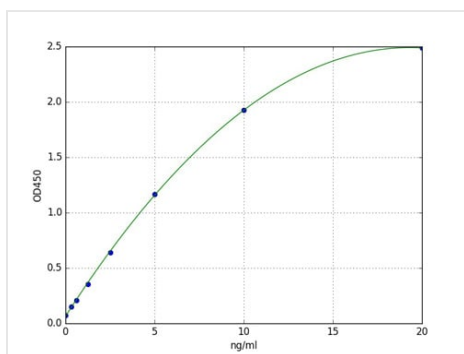
PRODUCT SYNONYMS

Sarcoplasmic/endoplasmic reticulum calcium ATPase 3; Rat Sarcoplasmic/endoplasmic reticulum calcium ATPase 3 ELISA Kit; Atp2a3/Calcium pump 3/SERCA3/SR Ca (2+)-ATPase 3; Atp2a3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1029
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Rat Atp2a3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.000	0.141	0.186	0.396	0.858	0.957	1.750	2.858

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Atp2a3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Atp2a3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Atp2a3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Atp2a3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Atp2a3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28373111
NCBI GeneID	489
NCBI Accession #	NP_777616.1
NCBI GenBank Nucleotide #	NM_174956.2
Molecular Weight	112,778 Da
NCBI Official Full Name	sarcoplasmic/endoplasmic reticulum calcium ATPase 3 isoform c
NCBI Official Synonym Full Names	ATPase sarcoplasmic/endoplasmic reticulum Ca2+ transporting 3
NCBI Official Symbol	ATP2A3
NCBI Official Synonym Symbols	SERCA3
NCBI Protein Information	sarcoplasmic/endoplasmic reticulum calcium ATPase 3
UniProt Protein Name	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3
UniProt Gene Name	ATP2A3
UniProt Synonym Gene Names	SERCA3; SR Ca(2+)-ATPase 3
UniProt Entry Name	AT2A3_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.

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Online datasheet: <https://stage.aaabiotech.com/atp2a3-rat-elisa-kits/sarcoplasmic-endoplasmic-reticulum-calcium-atpase-3/100560>