

# Rat ATP1b3 (ATPase, Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 3 Polypeptide) ELISA Kit | ATP1b3 elisa kit

Rat ATP1b3 (ATPase, Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 3 Polypeptide) ELISA Kit

CATALOG #  
**AAA272602**

REACTIVITY  
**Rat**

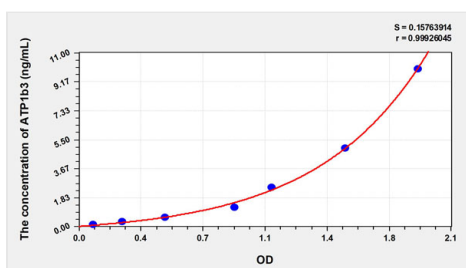
## PRODUCT SYNONYMS

ATP1b3 (ATPase; Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 3 Polypeptide); Rat ATP1b3 (ATPase; Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 3 Polypeptide) ELISA Kit; CD298; ATP1-B3; ATPB-3; Sodium/potassium-transporting ATPase subunit beta-3; ATP1b3 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat ATP1b3. No significant cross-reactivity or interference between Rat ATP1b3 and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                              |
| Detection Range         | 0.16-10 ng/mL                                                                                                                                                                         |
| Sensitivity             | 0.071 ng/mL                                                                                                                                                                           |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.                |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.                 |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                      |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for ATP1b3 elisa kit

**Principle of the Assay:** The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATPase, Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 3 Polypeptide(ATP1b3). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to ATPase, Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 3 Polypeptide(ATP1b3). 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 ATPase, Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 3 Polypeptide(ATP1b3), 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 ATPase, Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 3 Polypeptide(ATP1b3) in the samples is then determined by comparing the OD of the samples to the standard curve.

**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](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/atp1b3-atpase-na-k-transporting-beta-3-polypeptide/272602>