

# Rat Amiloride-sensitive sodium channel subunit alpha (SCNN1A) ELISA Kit | SCNN1A elisa kit

Rat Amiloride-sensitive sodium channel subunit alpha (SCNN1A) ELISA Kit

|                               |                          |
|-------------------------------|--------------------------|
| CATALOG #<br><b>AAA244517</b> | REACTIVITY<br><b>Rat</b> |
|-------------------------------|--------------------------|

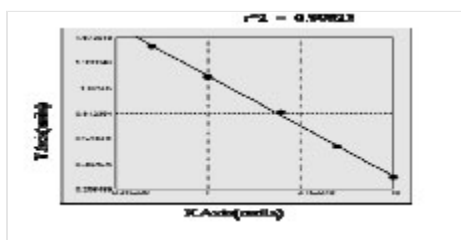
## PRODUCT SYNONYMS

Amiloride-sensitive sodium channel subunit alpha (SCNN1A); Rat Amiloride-sensitive sodium channel subunit alpha (SCNN1A) ELISA Kit; SCNN1A elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 0.5-10ng/mL                                                                |
| Sensitivity             | 0.1ng/ml                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SCNN1A elisa kit | <p>Intended Uses: This SCNN1A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SCNN1A. This ELISA kit for research use only!</p> <p>Principle of the Assay  SCNN1A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SCNN1A antibody and an SCNN1A-HRP conjugate. The assay sample and buffer are incubated together with SCNN1A-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 SCNN1A concentration since SCNN1A from samples and SCNN1A-HRP conjugate compete for the anti-SCNN1A antibody binding site. Since the number of sites is limited, as more sites are occupied by SCNN1A from the sample, fewer sites are left to bind SCNN1A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SCNN1A concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for SCNN1A elisa kit   | Neurobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 585966                                                                                                                                                                                                                                                                                                                                                                                    |
| NCBI GeneID                      | 6337                                                                                                                                                                                                                                                                                                                                                                                      |
| Molecular Weight                 | 78,234 Da                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Full Name          | Amiloride-sensitive sodium channel subunit alpha                                                                                                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | sodium channel, non-voltage-gated 1 alpha subunit                                                                                                                                                                                                                                                                                                                                         |
| NCBI Official Symbol             | SCNN1A                                                                                                                                                                                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | BESC2; ENaCa; SCNEA; SCNN1; ENaCalpha                                                                                                                                                                                                                                                                                                                                                     |
| NCBI Protein Information         | amiloride-sensitive sodium channel subunit alpha; alpha-ENaC; alpha-NaCH; alpha ENaC-2; epithelial Na(+) channel subunit alpha; sodium channel, nonvoltage-gated 1 alpha; nasal epithelial sodium channel alpha subunit; nonvoltage-gated sodium channel 1 subunit alpha; amiloride-sensitive sodium channel subunit alpha 2; amiloride-sensitive epithelial sodium channel alpha subunit |
| UniProt Protein Name             | Amiloride-sensitive sodium channel subunit alpha                                                                                                                                                                                                                                                                                                                                          |
| UniProt Gene Name                | SCNN1A                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | SCNN1; Alpha-ENaC; ENaCA                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt Entry Name               | SCNNA_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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/amiloride-sensitive-sodium-channel-subunit-alpha-scnn1a/244517>