

Rat Amiloride-sensitive sodium channel subunit beta (SCNN1B) ELISA Kit | SCNN1B elisa kit

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CATALOG #
AAA246471

REACTIVITY
Rat

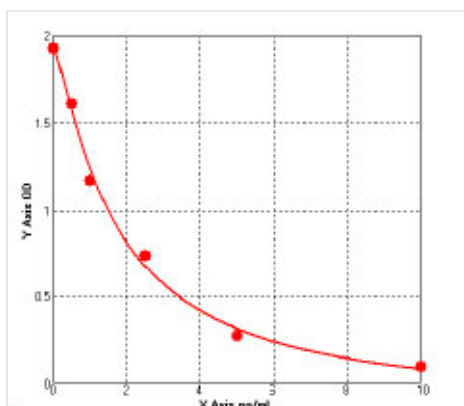
PRODUCT SYNONYMS

Amiloride-sensitive sodium channel subunit beta (SCNN1B); Rat Amiloride-sensitive sodium channel subunit beta (SCNN1B) ELISA Kit; SCNN1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SCNN1B. No significant cross-reactivity or interference between SCNN1B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SCNN1B and all the analogues, therefore, cross reaction may still exist in some cases.
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 SCNN1B elisa kit	Intended Uses: This SCNN1B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SCNN1B. This ELISA kit for research use only! Principle of the Assay: SCNN1B ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SCNN1B antibody and an SCNN1B-HRP conjugate. The assay sample and buffer are incubated together with SCNN1B-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 SCNN1B concentration since SCNN1B from samples and SCNN1B-HRP conjugate compete for the anti-SCNN1B antibody binding site. Since the number of sites is limited, as more sites are occupied by SCNN1B from the sample, fewer sites are left to bind SCNN1B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SCNN1B concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SCNN1B elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	124301196
NCBI GeneID	6338
NCBI Accession #	NP_000327.2
NCBI GenBank Nucleotide #	NM_000336.2
Molecular Weight	77,703 Da
NCBI Official Full Name	amiloride-sensitive sodium channel subunit beta
NCBI Official Synonym Full Names	sodium channel, non-voltage-gated 1, beta subunit
NCBI Official Symbol	SCNN1B
NCBI Official Synonym Symbols	BESC1; ENaCb; SCNEB; ENaCbeta
NCBI Protein Information	amiloride-sensitive sodium channel subunit beta; beta-ENaC; beta-NaCH; epithelial Na(+) channel subunit beta; epithelial sodium channel beta-2 subunit; epithelial sodium channel beta-3 subunit; sodium channel, nonvoltage-gated 1, beta; nasal epithelial sodium channel beta subunit; nonvoltage-gated sodium channel 1 subunit beta; amiloride-sensitive sodium channel subunit beta 1
UniProt Protein Name	Amiloride-sensitive sodium channel subunit beta
UniProt Gene Name	SCNN1B
UniProt Synonym Gene Names	Beta-ENaC; ENaCB
UniProt Entry Name	SCNNB_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/rat-elisa-kits/amiloride-sensitive-sodium-channel-subunit-beta-scnn1b/246471>