

Rat Amiloride-sensitive sodium channel subunit gamma (SCNN1G) ELISA Kit | SCNN1G elisa kit

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CATALOG #
AAA244518

REACTIVITY
Rat

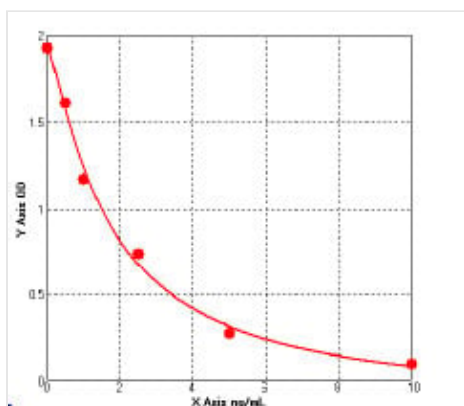
PRODUCT SYNONYMS

Amiloride-sensitive sodium channel subunit gamma (SCNN1G); Rat Amiloride-sensitive sodium channel subunit gamma (SCNN1G) ELISA Kit; SCNN1G elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SCNN1G. No significant cross-reactivity or interference between SCNN1G and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SCNN1G 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 SCNN1G elisa kit	Intended Uses: This SCNN1G ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SCNN1G. This ELISA kit for research use only! Principle of the Assay: SCNN1G ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SCNN1G antibody and an SCNN1G-HRP conjugate. The assay sample and buffer are incubated together with SCNN1G-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 SCNN1G concentration since SCNN1G from samples and SCNN1G-HRP conjugate compete for the anti-SCNN1G antibody binding site. Since the number of sites is limited, as more sites are occupied by SCNN1G from the sample, fewer sites are left to bind SCNN1G-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SCNN1G concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SCNN1G elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	42476333
NCBI GeneID	6340
NCBI Accession #	NP_001030.2
NCBI GenBank Nucleotide #	NM_001039.3
Molecular Weight	74,270 Da
NCBI Official Full Name	amiloride-sensitive sodium channel subunit gamma
NCBI Official Synonym Full Names	sodium channel, non-voltage-gated 1, gamma subunit
NCBI Official Symbol	SCNN1G
NCBI Official Synonym Symbols	PHA1; BESC3; ENaCg; SCNEG; ENaCgamma
NCBI Protein Information	amiloride-sensitive sodium channel subunit gamma; gamma-ENaC; gamma-NaCH; ENaC gamma subunit; epithelial Na(+) channel subunit gamma; sodium channel, nonvoltage-gated 1, gamma; nonvoltage-gated sodium channel 1 subunit gamma; amiloride-sensitive sodium channel gamma-subunit; amiloride-sensitive epithelial sodium channel gamma subunit
UniProt Protein Name	Amiloride-sensitive sodium channel subunit gamma
UniProt Gene Name	SCNN1G
UniProt Synonym Gene Names	ENaCG; Gamma-ENaC
UniProt Entry Name	SCNNG_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-gamma-scn1g/244518>