

Human Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2 ELISA Kit | HCN2 elisa kit

Human Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2 (HCN2) ELISA Kit

CATALOG # AAA55762	REACTIVITY Human
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PRODUCT SYNONYMS

Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2; Human Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2 (HCN2) ELISA Kit; HCN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human HCN2. No significant cross-reactivity or interference between Human HCN2 and analogues was observed.
Sequence Length	889
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for HCN2 elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate HCN2 in samples. An antibody specific for HCN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HCN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HCN2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HCN2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156071470
NCBI GeneID	610
NCBI Accession #	NP_001185.3
NCBI GenBank Nucleotide #	NM_001194.3

UniProt Accession #	Q9UL51; O60742; O60743; O75267; Q9UBS2
Molecular Weight	96,950 Da
NCBI Official Full Name	potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2
NCBI Official Synonym Full Names	hyperpolarization activated cyclic nucleotide gated potassium and sodium channel 2
NCBI Official Symbol	HCN2
NCBI Official Synonym Symbols	BCNG2; HAC-1; BCNG-2
NCBI Protein Information	potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2
UniProt Protein Name	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2
UniProt Gene Name	HCN2
UniProt Synonym Gene Names	BCNG2; BCNG-2

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://www.aaabiotech.com/hcn2-human-elisa-kits/potassium-sodium-hyperpolarization-activated-cyclic-nucleotide-gated-channel-2/55762>