

Human Potassium voltage-gated channel subfamily B member 2 ELISA Kit | KCNB2 elisa kit

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CATALOG #
AAA100954

REACTIVITY
Human

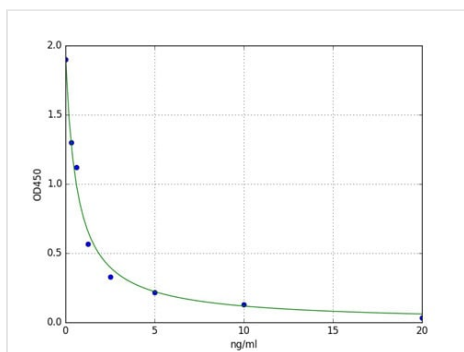
PRODUCT SYNONYMS

Potassium voltage-gated channel subfamily B member 2; Human Potassium voltage-gated channel subfamily B member 2 ELISA Kit; KCNB2/Voltage-gated potassium channel subunit Kv2.2; KCNB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	911
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human KCNB2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	1.348	1.057	0.637	0.350	0.1954	0.0603	0.0471	0.0379

ADDITIONAL INFORMATION

Related Product Information for KCNB2 elisa kit

Principle of the Assay||This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human KCNB2. During the reaction, Human KCNB2 in the sample or standard competes with a fixed amount of biotin-labeled Human KCNB2 for sites on a pre-coated Monoclonal antibody specific to Human KCNB2. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of Human KCNB2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27436974
NCBI GeneID	9312
NCBI Accession #	NP_004761.2
NCBI GenBank Nucleotide #	NM_004770.2
Molecular Weight	102,563 Da
NCBI Official Full Name	potassium voltage-gated channel subfamily B member 2
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily B member 2
NCBI Official Symbol	KCNB2
NCBI Official Synonym Symbols	KV2.2
NCBI Protein Information	potassium voltage-gated channel subfamily B member 2
UniProt Protein Name	Potassium voltage-gated channel subfamily B member 2
UniProt Gene Name	KCNB2
UniProt Entry Name	KCNB2_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/kcnb2-human-elisa-kits/potassium-voltage-gated-channel-subfamily-b-member-2/100954>