

Human Potassium Intermediate Small Conductance Calcium Activated Channel Subfamily N, Member 2 (KCNN2) ELISA Kit | KCNN2 elisa kit

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CATALOG # AAA67709	REACTIVITY Human
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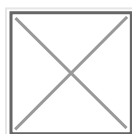
PRODUCT SYNONYMS

Potassium Intermediate Small Conductance Calcium Activated Channel Subfamily N; Member 2 (KCNN2); Human Potassium Intermediate Small Conductance Calcium Activated Channel Subfamily N; Member 2 (KCNN2) ELISA Kit; KCa2.2; SK2; SKCA2; hSK2; KCNN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KCNN2. No significant cross-reactivity or interference between KCNN2 and analogues was observed.
Sequence Length	231
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.081ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KCNN2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level KCNN2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KCNN2 elisa kit	<p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KCNN2 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KCNN2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KCNN2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain KCNN2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of KCNN2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	501353609
NCBI GeneID	3781
NCBI Accession #	NP_001265133.1
NCBI GenBank Nucleotide #	NM_001278204.1
UniProt Accession #	Q9H2S1; Q0VFZ4; Q6PJI0; Q6X2Y2; A6NF94
Molecular Weight	26,341 Da
NCBI Official Full Name	small conductance calcium-activated potassium channel protein 2 isoform b
NCBI Official Synonym Full Names	potassium calcium-activated channel subfamily N member 2
NCBI Official Symbol	KCNN2
NCBI Official Synonym Symbols	SK2; hSK2; SKCA2; KCa2.2; SKCa 2
NCBI Protein Information	small conductance calcium-activated potassium channel protein 2
UniProt Protein Name	Small conductance calcium-activated potassium channel protein 2
UniProt Gene Name	KCNN2
UniProt Synonym Gene Names	SK2; SKCa 2; SKCa2

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.