

Rat ATP-sensitive inward rectifier potassium channel 11 (KCNJ11) ELISA Kit | KCNJ11 elisa kit

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CATALOG # AAA246251	REACTIVITY Rat
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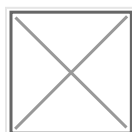
PRODUCT SYNONYMS

ATP-sensitive inward rectifier potassium channel 11 (KCNJ11); Rat ATP-sensitive inward rectifier potassium channel 11 (KCNJ11) ELISA Kit; KCNJ11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KCNJ11 elisa kit	Intended Uses: This KCNJ11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat KCNJ11. This ELISA kit for research use only! Principle of the Assay: KCNJ11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-KCNJ11 antibody and an KCNJ11-HRP conjugate. The assay sample and buffer are incubated together with KCNJ11-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 KCNJ11 concentration since KCNJ11 from samples and KCNJ11-HRP conjugate compete for the anti-KCNJ11 antibody binding site. Since the number of sites is limited, as more sites are occupied by KCNJ11 from the sample, fewer sites are left to bind KCNJ11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KCNJ11 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for KCNJ11 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	62388888
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NCBI GeneID	3767
NCBI Accession #	NP_000516.3
NCBI GenBank Nucleotide #	NM_000525.3
Molecular Weight	33,263 Da
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 11 isoform 1
NCBI Official Synonym Full Names	potassium inwardly-rectifying channel, subfamily J, member 11
NCBI Official Symbol	KCNJ11
NCBI Official Synonym Symbols	BIR; HHF2; PHHI; IKATP; TNDM3; KIR6.2
NCBI Protein Information	ATP-sensitive inward rectifier potassium channel 11; beta-cell inward rectifier subunit; inward rectifier K(+) channel Kir6.2; inwardly rectifying potassium channel KIR6.2; potassium channel inwardly rectifying subfamily J member 11; potassium channel, inwardly rectifying subfamily J member 11
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 11
UniProt Gene Name	KCNJ11
UniProt Entry Name	KCJ11_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/atp-sensitive-inward-rectifier-potassium-channel-11-kcnj11/246251>