

# Human G protein-activated inward rectifier potassium channel 2, KCNJ6/GIRK2 ELISA Kit | KCNJ6/GIRK2 elisa kit

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|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA41603</b> | REACTIVITY<br><b>Human</b> |
|------------------------------|----------------------------|

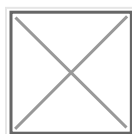
## PRODUCT SYNONYMS

G protein-activated inward rectifier potassium channel 2; KCNJ6/GIRK2; Human G protein-activated inward rectifier potassium channel 2; KCNJ6/GIRK2 ELISA Kit; KCNJ6/GIRK2 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Reactivity              | Human                                                                    |
| Sequence Length         | 423                                                                      |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates |
| Assay Type              | Quantitative Sandwich                                                    |
| Detection Range         | 0.3ng/ml - 90ng/ml                                                       |
| Sensitivity             | 0.149ng/ml                                                               |
| Intra-Assay             | CV<8%                                                                    |
| Inter-Assay             | CV<10%                                                                   |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                   |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Related Product Information for<br>KCNJ6/GIRK2 elisa kit | <p>Intended Uses: This sandwich kit is for the accurate quantitative detection of human G Protein-activated Inward Rectifier Potassium Channel 2 (also known as KCNJ6/GIRK2) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.</p> <p>Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human KCNJ6/GIRK2 antibody. KCNJ6/GIRK2 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human KCNJ6/GIRK2 Antibody is added and binds to KCNJ6/GIRK2 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated KCNJ6/GIRK2 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human KCNJ6/GIRK2. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | 4504843                                                           |
| NCBI GeneID                      | 3763                                                              |
| NCBI Accession #                 | NP_002231.1                                                       |
| NCBI GenBank Nucleotide #        | NM_002240.4                                                       |
| UniProt Accession #              | P48051; Q3MJ74; Q53WW6                                            |
| Molecular Weight                 | 48,451 Da                                                         |
| NCBI Official Full Name          | G protein-activated inward rectifier potassium channel 2          |
| NCBI Official Synonym Full Names | potassium voltage-gated channel subfamily J member 6              |
| NCBI Official Symbol             | KCNJ6                                                             |
| NCBI Official Synonym Symbols    | BIR1; GIRK2; KATP2; KCNJ7; KPLBS; GIRK-2; KATP-2; KIR3.2; hiGIRK2 |
| NCBI Protein Information         | G protein-activated inward rectifier potassium channel 2          |
| UniProt Protein Name             | G protein-activated inward rectifier potassium channel 2          |
| UniProt Gene Name                | KCNJ6                                                             |
| UniProt Synonym Gene Names       | GIRK2; KATP2; KCNJ7; GIRK-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://stage.aaabiotech.com/human-elisa-kits/g-protein-activated-inward-rectifier-potassium-channel-2-kcnj6-girk2/41603>