

## Rabbit KCNJ3 Polyclonal Antibody | anti-KCNJ3 antibody

KCNJ3 Polyclonal Antibody

|                               |                       |                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA280884</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|

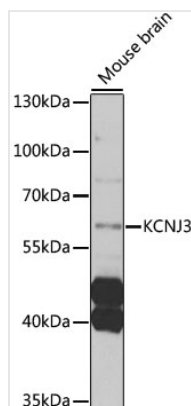
### PRODUCT SYNONYMS

KCNJ3; Polyclonal Antibody; KCNJ3 Polyclonal Antibody; GIRK1; KGA; KIR3.1; anti-KCNJ3 antibody

### PRODUCT SPECIFICATIONS

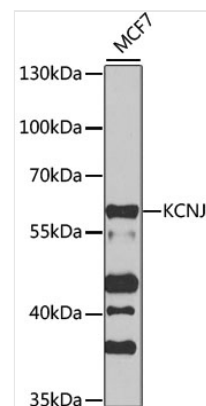
|                                                 |                                                   |
|-------------------------------------------------|---------------------------------------------------|
| Host                                            | Rabbit                                            |
| Reactivity                                      | Human, Mouse, Rat                                 |
| Clonality                                       | Polyclonal                                        |
| Isotype                                         | IgG                                               |
| Purity/Purification                             | Affinity Purification                             |
| Sequence Length                                 | 501                                               |
| Applicable Applications for anti-KCNJ3 antibody | WB (Western Blot)                                 |
| Immunogen                                       | A synthetic peptide of human KCNJ3                |
| Storage Buffer                                  | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.  |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of mouse brain, using KCNJ3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 10s.



#### WB (Western Blot)

Western blot analysis of extracts of MCF7 cells, using KCNJ3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 20s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-KCNJ3 antibody | Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins and plays an important role in regulating heartbeat. It associates with three other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex that also couples to neurotransmitter receptors in the brain and whereby channel activation can inhibit action potential firing by hyperpolarizing the plasma membrane. These multimeric G-protein-gated inwardly-rectifying potassium (GIRK) channels may play a role in the pathophysiology of epilepsy, addiction, Down's syndrome, ataxia, and Parkinson's disease. Alternative splicing results in multiple transcript variants encoding distinct proteins. |
| Product Categories/Family for anti-KCNJ3 antibody   | Primary antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| NCBI GI #                        | 1352482                                                  |
| NCBI GeneID                      | 3760                                                     |
| UniProt Accession #              | P48549; Q8TBI0; B4DEW7                                   |
| Molecular Weight                 | 57kDa                                                    |
| NCBI Official Full Name          | G protein-activated inward rectifier potassium channel 1 |
| NCBI Official Synonym Full Names | potassium voltage-gated channel subfamily J member 3     |
| NCBI Official Symbol             | KCNJ3                                                    |
| NCBI Official Synonym Symbols    | KGA; GIRK1; KIR3.1                                       |
| NCBI Protein Information         | G protein-activated inward rectifier potassium channel 1 |
| UniProt Protein Name             | G protein-activated inward rectifier potassium channel 1 |
| UniProt Gene Name                | KCNJ3                                                    |
| UniProt Synonym Gene Names       | GIRK1; GIRK-1                                            |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/kcnj3-antibody-western-blot-elisa/280884>