

For Research Use Only

# GIRK2 Recombinant antibody

Catalog Number: 86016-1-RR



## Basic Information

Catalog Number:

86016-1-RR

Concentration:

1000  $\mu$ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16344

GenBank Accession Number:

BC101547

GeneID (NCBI):

3763

UNIPROT ID:

P48051

Full Name:

potassium inwardly-rectifying channel, subfamily J, member 6

Calculated MW:

423 aa, 48 kDa

Observed MW:

45-48 kDa

Purification Method:

Protein A purification

CloneNo.:

250605D1

Recommended Dilutions:

WB: 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : MG-63 cells, mouse brain tissue, NIH/3T3 cells, rat brain tissue

## Background Information

GIRK2 (also known as Kir3.2), encoded by KCNJ6 gene, is a member of the G protein-coupled inwardly-rectifying potassium channel (GIRK, Kir3) family of inward rectifier potassium channels. GIRK channels are activated following stimulation of G protein-coupled receptors (PMID: 26422984). They play important roles in regulating cellular excitabilities in the heart and brain (PMID: 31043612). Mutations in KCNJ6 gene are associated with Keppen-Lubinsky Syndrome (PMID: 25620207).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

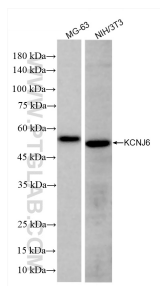
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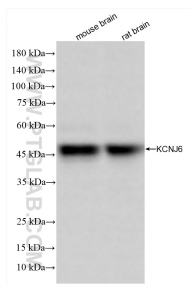
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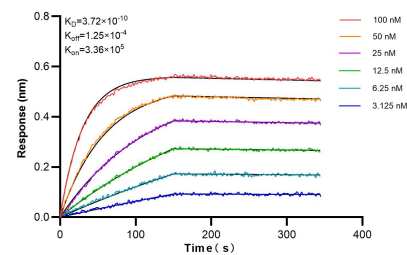
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86016-1-RR (KCNJ6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 86016-1-RR against Human GIRK2 were performed. The affinity constant is 0.372 nM.