



Certificate of Analysis

KO VALIDATED ✓

Anti-GIRK2 (K_{ir}3.2) Antibody

G protein-activated inward rectifier potassium channel 2, Kcnj6

[← Back to product page](#)

 [SDS](#)

Cat #: APC-006 | **Host:** Rabbit | **Type:** Polyclonal | **Form:** Lyophilized

Applications: ICC, IF, IHC, IP, WB

Reactivity: H, M, R

May also work in: IFC

Application key: CBE- Cell-based ELISA, FC- Flow cytometry, ICC- Immunocytochemistry, IE- Indirect ELISA, IF- Immunofluorescence, IFC- Indirect flow cytometry, IHC- Immunohistochemistry, IP- Immunoprecipitation, LCI- Live cell imaging, N- Neutralization, WB- Western blot
Species reactivity key: H- Human, M- Mouse, R- Rat

For research purposes only, not for human use

Properties

Immunogen	GST fusion protein with the sequence ELANRAEVPLSWSVS SKLNQHAELETEEEKNPEELTERNG, corresponding to residues 374-414 of mouse K _{ir} 3.2 (Accession P48542). Intracellular, C-terminal part.
Homology	Rat - 40/41 amino acid residues identical; golden hamster - 39/41 amino acid residues identical; human - 37/41 amino acid residues identical.
RRID	AB_2040115.
Purity	The serum was depleted of anti-GST antibodies by affinity chromatography on immobilized GST and then the IgG fraction was purified on immobilized antigen.
Form	Lyophilized powder. Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN ₃ .
Isotype	Rabbit IgG.
Standard quality control of each lot	Western blot analysis.
Peptide confirmation	Confirmed by DNA sequence and SDS-PAGE.
Storage before reconstitution	The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.
Reconstitution	25 µl, 50 µl or 0.2 ml double distilled water (DDW), depending on the sample size.
Antibody concentration after reconstitution	0.8 mg/ml.
Storage after reconstitution	The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).


Applications

Western blot

Rat brain membranes (1:200).

 In Stock

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 Get a 25 µl free sample

☐ 25 µl \$537

☐ 50 µl \$637

☐ 0.2 ml \$795

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Specific Control Product

[GIRK2/Kir3.2 Blocking Peptide \(#BLP-PC006\)](#)

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Related Products

Antibodies

- [Guinea pig Anti-GIRK2 \(K_{ir}3.2\) Antibody \(#APC-006-GP \(formerly AGP-013\)\)](#)
- [Anti-GIRK1 \(K_{ir}3.1\) Antibody \(#APC-005\)](#)
- [Anti-GIRK3 \(K_{ir}3.3\) Antibody \(#APC-038\)](#)
- [Anti-KCNJ5 \(K_{ir}3.4\) Antibody \(#APC-027\)](#)
- [Anti-MANF/ARMET Antibody \(#ANT-028\)](#)
- [Anti-MANF/ARMET-ATTO Fluor-594 Antibody \(#ANT-028-AR\)](#)

Pharmacological tools

Blockers/Antagonists: peptides/peptide toxins

- [Tertiapin-Q \(#STT-170\)](#)
- [Tertiapin-Q-ATTO Fluor-488 \(#STT-170-AG\)](#)
- [Tertiapin-Q-ATTO Fluor-633 \(#STT-170-FR\)](#)
- [Tertiapin \(#STT-250\)](#)

Activators/Agonists: small molecules

- [VU0529331 \(#V-155\)](#)

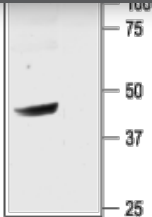
Explorer kits & Research packs

Explorer kits

- [GIRK \(Kir3\) Channel Antibody Explorer Kit \(#AK-227\)](#)
- [Kir Channel Antibody Explorer Kit \(#AK-200\)](#)
- [K⁺ Channel Antibodies for Pain Research Explorer Kit \(#AK-390\)](#)

General Protocols

[Blocking Peptides – Controls for better results](#)



Western blot analysis of rat brain membranes:

- 1. Anti-GIRK2 (K_{ir}3.2) Antibody (#APC-006), (1:200).
- 2. Anti-GIRK2 (K_{ir}3.2) Antibody, preincubated with GIRK2 (K_{ir}3.2) Blocking peptide (#BLP-PC006).

Immunoprecipitation

Mouse brain membrane proteins (1:174) ([Jelacic, T.M. et al. \(2000\) J. Biol. Chem. 275, 36211.](#)).

Immunohistochemistry

Rat brain and mouse brain sections (1:400).
Mouse spinal cords ([Marker, C.L. et al. \(2004\) J. Neurosci. 24, 2806.](#)).

Immunocytochemistry

hVM1 (human ventral mesencephalic neural stem cell line 1 (1:400) ([Courtois, E.T. et al. \(2010\) J. Biol. Chem. 285, 9881.](#)).

Last Update: 05/02/2024

(WB)

- [Immunohistochemistry \(IHC\) Protocols for Frozen Sections: Indirect Methods](#)
- [Sample Preparation Protocols for Tissues](#)
- [Western Blot \(WB\) Protocol](#)

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