

Product datasheet

Anti-GIRK1 antibody [EPR6363] - BSA and Azide free ab176720

Recombinant RabMAb

[4 Images](#)

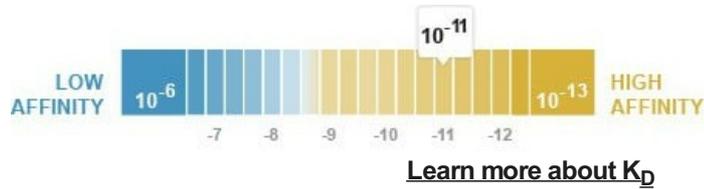
Overview

Product name	Anti-GIRK1 antibody [EPR6363] - BSA and Azide free
Description	Rabbit monoclonal [EPR6363] to GIRK1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt, WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide within Human GIRK1 aa 100-200 (extracellular). The exact sequence is proprietary. Database link: P48549
General notes	<p>ab176720 is the carrier-free version of ab129182.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit</p>

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Dissociation constant (K_D)	K _D = 8.50 x 10 ⁻¹¹ M



Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6363
Isotype	IgG

Applications

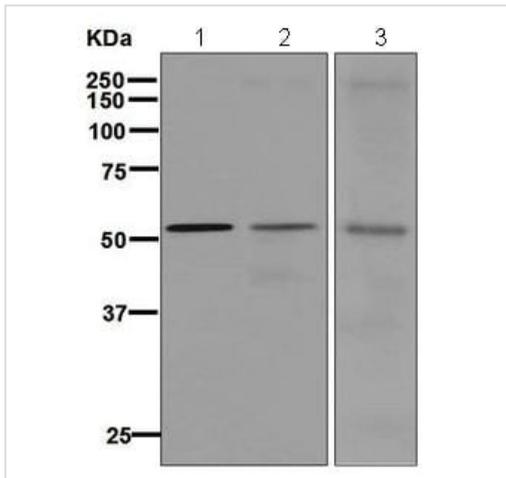
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab176720 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 55 kDa (predicted molecular weight: 57 kDa).

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

Target

Function	This potassium channel is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. This receptor plays a crucial role in regulating the heartbeat.
Sequence similarities	Belongs to the inward rectifier-type potassium channel (TC 1.A.2.1) family. KCNJ3 subfamily.
Cellular localization	Membrane.



Western blot - Anti-GIRK1 antibody [EPR6363] - BSA and Azide free (ab176720)

All lanes : Anti-GIRK1 antibody [EPR6363] ([ab129182](#)) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : Fetal heart tissue lysate

Lane 3 : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

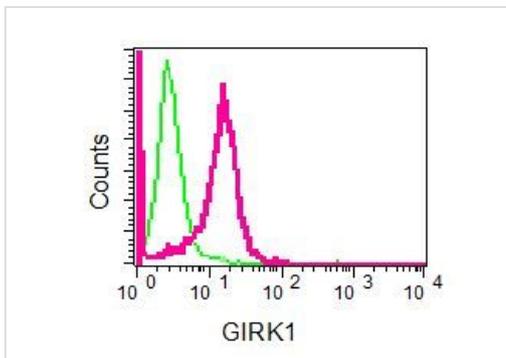
Secondary

All lanes : Goat Anti-rabbit HRP

Predicted band size: 57 kDa

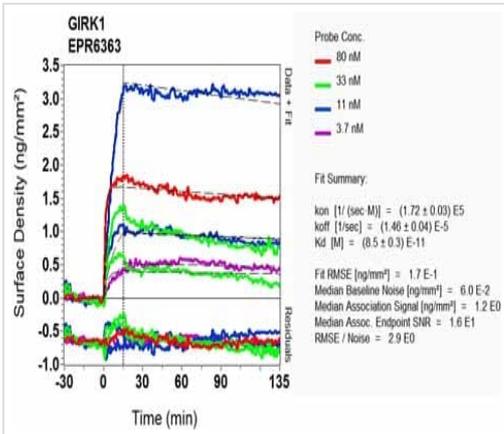
Observed band size: 55 kDa

This data was developed using [ab129182](#), the same antibody clone in a different buffer formulation.



Flow Cytometry - Anti-GIRK1 antibody [EPR6363] - BSA and Azide free (ab176720)

This data was developed using [ab129182](#), the same antibody clone in a different buffer formulation. Flow cytometric analysis using [ab129182](#), at 1/100 dilution, staining GIRK1 in NIH/3T3 cells (red). Isotype control antibody (green).



OI-RD Scanning - Anti-GIRK1 antibody [EPR6363] - BSA and Azide free (ab176720)

This data was developed using [ab129182](#), the same antibody clone in a different buffer formulation. Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-GIRK1 antibody [EPR6363] - BSA and Azide free (ab176720)

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