

Anti-Kir2.1 Antibody
Rabbit polyclonal antibody to Kir2.1
Catalog # AP60474**Specification**

Anti-Kir2.1 Antibody - Product Information

Application	WB
Primary Accession	P63252
Other Accession	P35561
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48288

Anti-Kir2.1 Antibody - Additional Information**Gene ID** 3759**Other Names**

IRK1; Inward rectifier potassium channel 2; Cardiac inward rectifier potassium channel; Inward rectifier K(+) channel Kir2.1; IRK-1; hIRK1; Potassium channel, inwardly rectifying subfamily J member 2

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Kir2.1. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-Kir2.1 Antibody - Protein Information**Name** KCNJ2**Synonyms** IRK1**Function**

Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it (PubMed:36149965, PubMed:7590287, PubMed:7590287)

href="http://www.uniprot.org/citations/9490857" target="_blank">9490857). 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 (PubMed:7590287, PubMed:7696590). The inward rectification is mainly due to the blockage of outward current by internal magnesium (PubMed:9490857). Can be blocked by extracellular barium or cesium (PubMed:7590287, PubMed:7696590). Probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues (PubMed:7590287, PubMed:7696590, PubMed:7840300).

Cellular Location

Cell membrane; Multi-pass membrane protein Cell membrane, sarcolemma, T-tubule {ECO:0000250|UniProtKB:Q64273}

Tissue Location

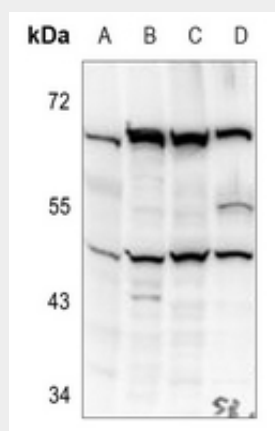
Heart, brain, placenta, lung, skeletal muscle, and kidney. Diffusely distributed throughout the brain

Anti-Kir2.1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Kir2.1 Antibody - Images



Western blot analysis of Kir2.1 expression in BV2 (A), PC12 (B), A549 (C), U87MG (D) whole cell lysates.

Anti-Kir2.1 Antibody - Background

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