

Anti-Kir2.3 Antibody
Rabbit polyclonal antibody to Kir2.3
Catalog # AP61119**Specification**

Anti-Kir2.3 Antibody - Product Information

| | |
|-------------------|--------------------------|
| Application | WB |
| Primary Accession | P48050 |
| Other Accession | P52189 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 49500 |

Anti-Kir2.3 Antibody - Additional Information**Gene ID** 3761**Other Names**

IRK3; Inward rectifier potassium channel 4; HIRK2; HRK1; Hippocampal inward rectifier; HIR; Inward rectifier K(+) channel Kir2.3; IRK-3; Potassium channel inwardly rectifying subfamily J member 4

Target/Specificity

Recognizes endogenous levels of Kir2.3 protein.

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-Kir2.3 Antibody - Protein Information**Name** KCNJ4**Synonyms** IRK3**Function**

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. Can be blocked by extracellular barium and cesium (By

similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane. Note=TAX1BP3 binding promotes dissociation of KCNJ4 from LIN7 family members and KCNJ4 internalization.

Tissue Location

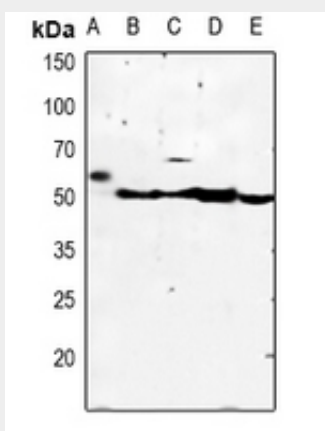
Heart, skeletal muscle, and several different brain regions including the hippocampus

Anti-Kir2.3 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-Kir2.3 Antibody - Images



Western blot analysis of Kir2.3 expression in HEK293T (A), Hela (B), mouse heart (C), mouse brain (D), rat brain (E) whole cell lysates.

Anti-Kir2.3 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Kir2.3. The exact sequence is proprietary.