

KCNJ4

Reactivity: Mouse Rat

Tested applications: WB

Recommended Dilution: WB 1:500 - 1:2000

Calculated MW: 50kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human KCNJ4

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

HIR; HRK1; IRK3; HIRK2; IRK-3; Kir2.3;

Catalog #: A8434

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 3761

Isotype: IgG

Swiss Prot: P48050

Purity: Affinity purification

For research use only.

Background:

Several different potassium channels are known to be involved with electrical signaling in the nervous system. One class is activated by depolarization whereas a second class is not. The latter are referred to as inwardly rectifying K⁺ channels, and they have a greater tendency to allow potassium to flow into the cell rather than out of it. This asymmetry in potassium ion conductance plays a key role in the excitability of muscle cells and neurons. The protein encoded by this gene is an integral membrane protein and member of the inward rectifier potassium channel family. The encoded protein has a small unitary conductance compared to other members of this protein family. Two transcript variants encoding the same protein have been found for this gene.

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