

Anti-KCNJ12 Antibody

**Description**

This gene encodes an inwardly rectifying K⁺ channel which may be blocked by divalent cations. This protein is thought to be one of multiple inwardly rectifying channels which contribute to the cardiac inward rectifier current (IK1). The gene is located within the Smith-Magenis syndrome region on chromosome 17.

Model	STJ116587
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 354-433 of human KCNJ12 (NP_066292.2).
Gene ID	3768
Gene Symbol	KCNJ12
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	ATP-sensitive inward rectifier potassium channel 12 Inward rectifier K(+) channel Kir2.2 IRK-2 Inward rectifier K(+) channel Kir2.2v Potassium channel inwardly rectifying subfamily J member 12
Molecular Weight	49.001 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6258 OMIM:602323 Reactome:R-HSA-1296041
Alternative Names	ATP-sensitive inward rectifier potassium channel 12 Inward rectifier K(+) channel Kir2.2 IRK-2 Inward rectifier K(+) channel Kir2.2v Potassium channel inwardly rectifying subfamily J member 12
Function	Inward rectifying potassium channel that is activated by phosphatidylinositol 4,5-bisphosphate and that probably participates in controlling the resting membrane potential in electrically excitable cells, Probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues, 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
Cellular Localization	Membrane

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