

ARG24151 anti-Kir2.1 / KCNJ2 antibody [S112]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [S112] recognizes Kir2.1 / KCNJ2
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	ICC/IF, IHC-P, WB
Specificity	~45kDa. No cross-reactivity against Kir2.2 or Kir2.3.
Host	Mouse
Clonality	Monoclonal
Clone	S112
Isotype	IgG1
Target Name	Kir2.1 / KCNJ2
Species	Mouse
Immunogen	Fusion protein amino acids 41-64 and 189-428 of mouse Kir2.1
Conjugation	Un-conjugated
Alternate Names	KCNJ2 ; Potassium Inwardly Rectifying Channel Subfamily J Member 2; IRK1; LQT7 Cardiac Inward Rectifier Potassium Channel; Inward Rectifier Potassium Channel 2; KIR2.1; IRK-1; HIRK1; Potassium Inwardly-Rectifying Channel, Subfamily J, Member 2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	IHC-P	1:1000
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

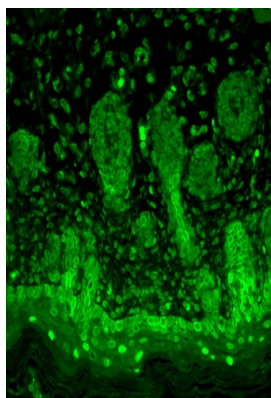
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 50% Glycerol and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

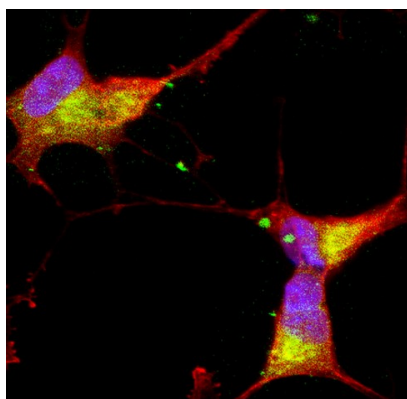
Gene Symbol	KCNJ2
Gene Full Name	Potassium Inwardly Rectifying Channel Subfamily J Member 2
Background	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. Mutations in this gene have been associated with Andersen syndrome, which is characterized by periodic paralysis, cardiac arrhythmias, and dysmorphic features.
Function	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.
PTM	Disulfide bond, Lipoprotein, Myristate, S-nitrosylation
Cellular Localization	Membrane

Images



ARG24151 anti-Kir2.1 / KCNJ2 antibody [S112] IHC-P image

Immunohistochemistry: Mouse backskin stained with ARG24151 anti-Kir2.1 / KCNJ2 antibody [S112] at 1:100 dilution.



ARG24151 anti-Kir2.1 / KCNJ2 antibody [S112] ICC/IF image

Immunofluorescence: SH-SY5Y stained with ARG24151 anti-Kir2.1 / KCNJ2 antibody [S112] at 1:50 dilution.

ARG24151 anti-Kir2.1 / KCNJ2 antibody [S112] WB image

Western blot: COS stained with ARG24151 anti-Kir2.1 / KCNJ2 antibody [S112] at 1:1000 dilution.

