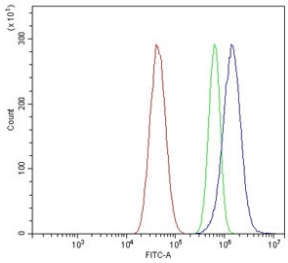
Kir5.1 Antibody / KCNJ16 (RQ6140)

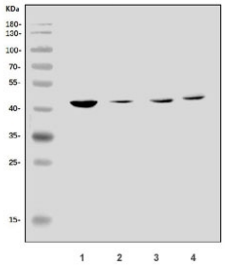
Catalog No.	Formulation	Size
RQ6140	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9NPI9
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This Kir5.1 antibody is available for research use only.



Flow cytometry testing of human U-87 MG cells with Kir5.1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Kir5.1 antibody.



Western blot testing of human 1) Caco-2, 2) HEK293, 3) HL60 and 4) monkey kidney lysate with Kir5.1 antibody. Predicted molecular weight ~48 kDa.

Description

Potassium inwardly-rectifying channel, subfamily J, member 16 (KCNJ16) is a human gene encoding the Kir5.1 protein. 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 tends to allow potassium to flow into rather than out of a cell, can form heterodimers with two other inward-rectifier type potassium channels. It may function in fluid and pH balance regulation. Alternatively spliced transcript variants have been found for this gene.

Application Notes

Optimal dilution of the Kir5.1 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids M1-M418) was used as the immunogen for the Kir5.1 antibody.

Storage

After reconstitution, the Kir5.1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.