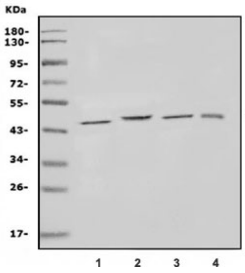
KCNJ1 Antibody (RQ6139)

Catalog No.	Formulation	Size
RQ6139	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Monkey, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P48048
Applications	Western blot: 1-2ug/ml
Limitations	This KCNJ1 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse brain, 3) mouse kidney and 4) monkey kidney lysate with KCNJ1 antibody. Predicted molecular weight: ~45 kDa.

Description

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. It is activated by internal ATP and probably plays an important role in potassium homeostasis. The encoded protein has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Mutations in this gene have been associated with antenatal Bartter syndrome, which is characterized by salt wasting, hypokalemic alkalosis, hypercalciuria, and low blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the KCNJ1 antibody should be determined by the researcher.

Immunogen

Amino acids WYAVAYIHKDLPEFH from the human protein were used as the immunogen for the KCNJ1 antibody.

Storage

After reconstitution, the KCNJ1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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