

KCNJ1 Rabbit Polyclonal Antibody



CAB8554

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

45kDa

Calculated MW:

42kDa/44kDa

Applications:

WB IHC

Reactivity:

Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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. 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.

Immunogen information

Gene ID:

3758

Uniprot

P48048

Synonyms:

KCNJ1; KIR1.1; ROMK; ROMK1

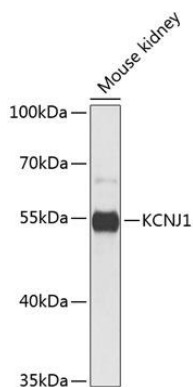
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 182-391 of human KCNJ1 (NP_000211.1).

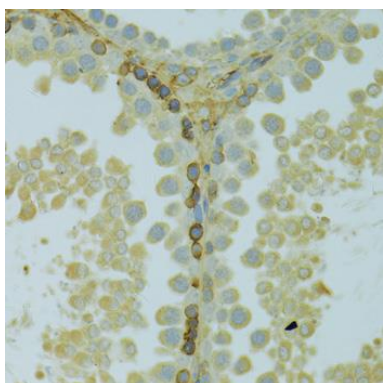
Storage:

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

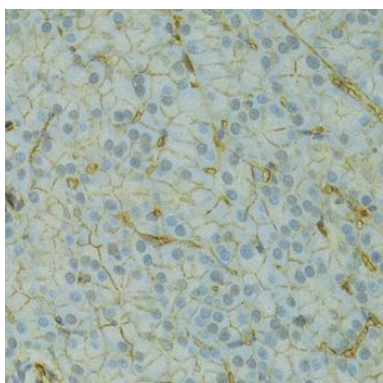
Product Images



Western blot analysis of extracts of mouse kidney, using KCNJ1 antibody (CAB8554) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunohistochemistry of paraffin-embedded rat testis using KCNJ1 antibody (CAB8554) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat pancreas using KCNJ1 antibody (CAB8554) at dilution of 1:100 (40x lens).