

KCNJ11 / Kir6.2 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12724**Specification**

KCNJ11 / Kir6.2 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q14654
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	44kDa KDa

KCNJ11 / Kir6.2 Antibody (Internal) - Additional Information**Gene ID** 3767**Other Names**

ATP-sensitive inward rectifier potassium channel 11, IKATP, Inward rectifier K(+) channel Kir6.2, Potassium channel, inwardly rectifying subfamily J member 11, KCNJ11

Target/Specificity

Human KCNJ11 / Kir6.2. This antibody is expected to recognise isoform 1 (NP_000516.3) only.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

KCNJ11 / Kir6.2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

KCNJ11 / Kir6.2 Antibody (Internal) - Protein Information**Name** KCNJ11**Function**

This receptor is controlled by G proteins. 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; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. Can be blocked by extracellular barium (By similarity). Subunit of ATP-sensitive potassium channels (KATP). Can form cardiac and smooth muscle-type KATP channels with ABCC9. KCNJ11 forms the channel pore while ABCC9 is required for activation and regulation.

Cellular Location

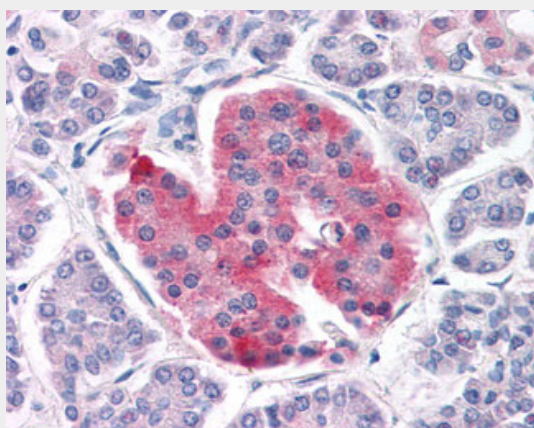
Membrane; Multi-pass membrane protein.

KCNJ11 / Kir6.2 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KCNJ11 / Kir6.2 Antibody (Internal) - Images



Anti-KCNJ11 / Kir6.2 antibody IHC of human pancreas.

KCNJ11 / Kir6.2 Antibody (Internal) - Background

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KCNJ11 / Kir6.2 Antibody (Internal) - References

Inagaki N., et al. Science 270:1166-1170(1995).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Taylor T.D., et al. Nature 440:497-500(2006).
Babenko A.P., et al. Circ. Res. 83:1132-1143(1998).
Ribalet B., et al. Biophys. J. 84:266-276(2003).