

KCNJ15 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17113b**Specification**

KCNJ15 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q99712](#)**KCNJ15 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 3772**Other Names**

ATP-sensitive inward rectifier potassium channel 15, Inward rectifier K(+) channel Kir13, Inward rectifier K(+) channel Kir42, Potassium channel, inwardly rectifying subfamily J member 15, KCNJ15, KCNJ14

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KCNJ15 Antibody (C-term) Blocking Peptide - Protein Information**Name** KCNJ15**Synonyms** KCNJ14**Function**

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.

Cellular Location

Membrane; Multi-pass membrane protein.

KCNJ15 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KCNJ15 Antibody (C-term) Blocking Peptide - Images

KCNJ15 Antibody (C-term) Blocking Peptide - 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 an inward-rectifier type potassium channel. The encoded protein has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Three transcript variants encoding the same protein have been found for this gene.

KCNJ15 Antibody (C-term) Blocking Peptide - References

Okamoto, K., et al. Am. J. Hum. Genet. 86(1):54-64(2010) Sindic, A., et al. Am. J. Physiol. Renal Physiol. 297 (1), F36-F45 (2009) ; Ji, W., et al. Nat. Genet. 40(5):592-599(2008) Huang, C., et al. Am. J. Physiol. Renal Physiol. 292 (3), F1073-F1081 (2007) ; Kubo, Y., et al. Pharmacol. Rev. 57(4):509-526(2005)