

KCNJ8 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12302a**Specification**

KCNJ8 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q15842](#)**KCNJ8 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 3764**Other Names**

ATP-sensitive inward rectifier potassium channel 8, Inward rectifier K(+) channel Kir61, Potassium channel, inwardly rectifying subfamily J member 8, uKATP-1, KCNJ8

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.

KCNJ8 Antibody (N-term) Blocking peptide - Protein Information**Name** KCNJ8**Function**

This potassium channel 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 external barium (By similarity).

Cellular Location

Membrane; Multi-pass membrane protein

Tissue Location

Predominantly detected in fetal and adult heart.

KCNJ8 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

KCNJ8 Antibody (N-term) Blocking peptide - Images

KCNJ8 Antibody (N-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 inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. [provided by RefSeq].

KCNJ8 Antibody (N-term) Blocking peptide - References

Medeiros-Domingo, A., et al. Heart Rhythm 7(10):1466-1471(2010) Ellis, J.A., et al. Physiol. Genomics 40(3):184-188(2010) Shi, W., et al. J. Biol. Chem. 285(5):3021-3029(2010) Winkler, M., et al. J. Biol. Chem. 284(11):6752-6762(2009) Ploug, K.B., et al. Eur. J. Pharmacol. 601 (1-3), 43-49 (2008) :