

**KCNJ18 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18921a****Specification**

---

**KCNJ18 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [B7U540](#)**KCNJ18 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 100134444**Other Names**

Inward rectifier potassium channel 18, Inward rectifier K(+) channel Kir26, Potassium channel, inwardly rectifying subfamily J member 18, KCNJ18

**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.

**KCNJ18 Antibody (N-term) Blocking Peptide - Protein Information****Name** KCNJ18**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**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Specifically expressed in skeletal muscle.

**KCNJ18 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **KCNJ18 Antibody (N-term) Blocking Peptide - Images**

#### **KCNJ18 Antibody (N-term) Blocking Peptide - Background**

Inwardly rectifying potassium channels, such as KCNJ18, maintain resting membrane potential in excitable cells and aid in repolarization of cells following depolarization. KCNJ18 is primarily expressed in skeletal muscle and is transcriptionally regulated by thyroid hormone (Ryan et al., 2010 [PubMed20074522]).

#### **KCNJ18 Antibody (N-term) Blocking Peptide - References**

Ryan, D.P., et al. Cell 140(1):88-98(2010)