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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 inrepolarization of cells following depolarization. KCNJ18 isprimarily expressed in skeletal muscle and is transcriptionallyregulated 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)