

**KCNJ13 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12387a****Specification**

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**KCNJ13 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [O60928](#)**KCNJ13 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 3769**Other Names**

Inward rectifier potassium channel 13, Inward rectifier K(+) channel Kir71, Potassium channel, inwardly rectifying subfamily J member 13, KCNJ13

**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.

**KCNJ13 Antibody (N-term) Blocking peptide - Protein Information****Name** KCNJ13**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. KCNJ13 has a very low single channel conductance, low sensitivity to block by external barium and cesium, and no dependence of its inward rectification properties on the internal blocking particle magnesium.

**Cellular Location**

Membrane; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:P86046}

**Tissue Location**

Predominantly expressed in small intestine. Expression is also detected in stomach, kidney, and all central nervous system regions tested with the exception of spinal cord

## **KCNJ13 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **KCNJ13 Antibody (N-term) Blocking peptide - Images**

## **KCNJ13 Antibody (N-term) Blocking peptide - Background**

This gene encodes a member of the inwardly rectifying potassium channel family of proteins. Members of this family form ion channel pores that allow potassium ions to pass into a cell. The encoded protein belongs to a subfamily of low signal channel conductance proteins that have a low dependence on potassium concentration. Mutations in this gene are associated with snowflake vitreoretinal degeneration. Alternate splicing results in multiple transcript variants.

## **KCNJ13 Antibody (N-term) Blocking peptide - References**

Zhang, W., et al. Biochem. Biophys. Res. Commun. 377(3):981-986(2008) Ji, W., et al. Nat. Genet. 40(5):592-599(2008) Hughes, B.A., et al. Am. J. Physiol., Cell Physiol. 294 (2), C423-C431 (2008) Hejtmancik, J.F., et al. Am. J. Hum. Genet. 82(1):174-180(2008) Yang, D., et al. Exp. Eye Res. 86(1):81-91(2008)