

KCNC4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16672b**Specification**

KCNC4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q03721](#)

KCNC4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 3749

Other Names

Potassium voltage-gated channel subfamily C member 4, KSHIIIC, Voltage-gated potassium channel subunit Kv34, KCNC4

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.

KCNC4 Antibody (C-term) Blocking Peptide - Protein Information

Name KCNC4 ([HGNC:6236](#))

Function

This protein mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.

Cellular Location

Membrane; Multi-pass membrane protein.

KCNC4 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KCNC4 Antibody (C-term) Blocking Peptide - Images

KCNC4 Antibody (C-term) Blocking Peptide - Background

The Shaker gene family of *Drosophila* encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to the Shaw subfamily. The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. It generates an atypical voltage-dependent transient current that may be important for neuronal excitability. Multiple transcript variants have been found for this gene.

KCNC4 Antibody (C-term) Blocking Peptide - References

Mosing, M.A., et al. *Twin Res Hum Genet* 13(4):398-403(2010) Menendez, S.T., et al. *J. Pathol.* 221(4):402-410(2010) Leblanc, N. *Cardiovasc. Res.* 86(3):351-352(2010) Miguel-Velado, E., et al. *Cardiovasc. Res.* 86(3):383-391(2010) Abbott, G.W., et al. *FASEB J.* 20(2):293-301(2006)