

**KCNK10 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14248b****Specification**

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**KCNK10 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P57789](#)**KCNK10 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 54207**Other Names**

Potassium channel subfamily K member 10, Outward rectifying potassium channel protein TREK-2, TREK-2 K(+) channel subunit, KCNK10, TREK2

**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.

**KCNK10 Antibody (C-term) Blocking Peptide - Protein Information****Name** KCNK10**Synonyms** TREK2**Function**

Outward rectifying potassium channel. Produces rapidly activating and non-inactivating outward rectifier K(+) currents. Activated by arachidonic acid and other naturally occurring unsaturated free fatty acids.

**Cellular Location**

Membrane; Multi-pass membrane protein

**Tissue Location**

Abundantly expressed in pancreas and kidney and to a lower level in brain, testis, colon, and small intestine. Isoform b is strongly expressed in kidney (primarily in the proximal tubule) and pancreas, whereas isoform c is abundantly expressed in brain

**KCNK10 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **KCNK10 Antibody (C-term) Blocking Peptide - Images**

#### **KCNK10 Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene belongs to the family of potassium channel proteins containing two pore-forming P domains. This channel is an open rectifier which primarily passes outward current under physiological K<sup>+</sup> concentrations, and is stimulated strongly by arachidonic acid and to a lesser degree by membrane stretching, intracellular acidification, and general anaesthetics. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq].

#### **KCNK10 Antibody (C-term) Blocking Peptide - References**

Gierten, J., et al. Br. J. Pharmacol. 154(8):1680-1690(2008) Huang, D., et al. Med. Hypotheses 70(3):618-624(2008) Goldstein, S.A., et al. Pharmacol. Rev. 57(4):527-540(2005) Gu, W., et al. J. Physiol. (Lond.) 539 (PT 3), 657-668 (2002) : Goldstein, S.A., et al. Nat. Rev. Neurosci. 2(3):175-184(2001)