

**KCNN3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19407a****Specification**

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**KCNN3 Antibody (N-term) Blocking Peptide - Product Information****KCNN3 Antibody (N-term) Blocking Peptide - Additional Information****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.

**KCNN3 Antibody (N-term) Blocking Peptide - Protein Information****KCNN3 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**KCNN3 Antibody (N-term) Blocking Peptide - Images****KCNN3 Antibody (N-term) Blocking Peptide - Background**

Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. The protein encoded by this gene is activated before membrane hyperpolarization and is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. This gene contains two CAG repeat regions in the coding sequence. It was thought that expansion of one or both of these repeats could lead to an increased susceptibility to schizophrenia or bipolar disorder, but studies indicate that this is probably not the case. This gene is a member of the KCNN family of potassium channel genes. Two transcript variants encoding two different isoforms have been found for this gene. One of the variants lacks the CAG repeat regions. [provided by RefSeq].

**KCNN3 Antibody (N-term) Blocking Peptide - References**

Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010)

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