

**KCNH8 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16591a****Specification**

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**KCNH8 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q96L42](#)**KCNH8 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 131096**Other Names**

Potassium voltage-gated channel subfamily H member 8, ELK1, hElk1, Ether-a-go-go-like potassium channel 3, ELK channel 3, ELK3, Voltage-gated potassium channel subunit Kv121, KCNH8

**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.

**KCNH8 Antibody (N-term) Blocking Peptide - Protein Information****Name** KCNH8**Function**

Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits a slowly activating, outward rectifying current. Channel properties may be modulated by cAMP and subunit assembly.

**Cellular Location**

Membrane; Multi-pass membrane protein.

**Tissue Location**

Primarily expressed in the nervous system.

**KCNH8 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**KCNH8 Antibody (N-term) Blocking Peptide - Images****KCNH8 Antibody (N-term) Blocking Peptide - Background**

Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit.

**KCNH8 Antibody (N-term) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care (2010) In press : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Kiel, D.P., et al. BMC Med. Genet. 8 SUPPL 1, S14 (2007) : Gutman, G.A., et al. Pharmacol. Rev. 57(4):473-508(2005) Zou, A., et al. Am. J. Physiol., Cell Physiol. 285 (6), C1356-C1366 (2003) :