



KCNH8 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP16591a

Specification

KCNH8 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession <u>Q96L42</u>

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.

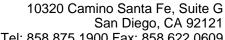
Cellular Location

KCNH8 Antibody (N-term) Blocking Peptide - Background

Voltage-gated potassium (Kv) channels represent the mostcomplex class of voltage-gated ion channels from both functionaland structural standpoints. Their diverse functions includeregulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smoothmuscle contraction, and cell volume. This gene encodes a member ofthe potassium channel, voltage-gated, subfamily H. This member is apore-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):



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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