

KCNH7 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9169a**Specification****KCNH7 Antibody (N-term) Blocking Peptide -
Product Information**Primary Accession [Q9NS40](#)**KCNH7 Antibody (N-term) Blocking Peptide -
Additional Information****Gene ID** 90134**Other Names**

Potassium voltage-gated channel subfamily H member 7, Ether-a-go-go-related gene potassium channel 3, ERG-3, Eag-related protein 3, Ether-a-go-go-related protein 3, hERG-3, Voltage-gated potassium channel subunit Kv113, KCNH7, ERG3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9169a](/products/AP9169a) was selected from the N-term region of human KCNH7. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

**KCNH7 Antibody (N-term) Blocking Peptide -
Protein Information****KCNH7 Antibody (N-term) Blocking
Peptide - Background**

KCNH7 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 protein encodes a member of the potassium channel, voltage-gated, subfamily H.

**KCNH7 Antibody (N-term) Blocking
Peptide - References**

Alkelai,A., et.al., Psychopharmacology (Berl.) 206 (3), 491-499 (2009) Couturier,N., et.al., Eur. J. Hum. Genet. 17 (6), 844-847 (2009)

Name KCNH7

Synonyms ERG3

Function

Pore-forming (alpha) subunit of voltage-gated potassium channel. Channel properties may be modulated by cAMP and subunit assembly.

Cellular Location

Membrane; Multi-pass membrane protein.

Tissue Location

Expressed in prolactin-secreting adenomas.

KCNH7 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)