

**KCE1L Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9666c****Specification**

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**KCE1L Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9UJ90](#)**KCE1L Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 23630**Other Names**

Potassium voltage-gated channel subfamily E member 1-like protein, AMME syndrome candidate gene 2 protein, KCNE1L, AMMECR2

**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.

**KCE1L Antibody (Center) Blocking Peptide - Protein Information****Name** KCNE5**Synonyms** AMMECR2, KCNE1L {ECO:0000303|PubMed:1049}**Function**

Potassium channel ancillary subunit that is essential for generation of some native K(+) currents by virtue of formation of heteromeric ion channel complex with voltage-gated potassium (Kv) channel pore-forming alpha subunits. Functions as an inhibitory beta- subunit of the repolarizing cardiac potassium ion channel KCNQ1.

**Cellular Location**

Membrane; Single- pass type I membrane protein

**Tissue Location**

Highly expressed in heart, skeletal muscle, brain, spinal cord and placenta.

**KCE1L Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **KCE1L Antibody (Center) Blocking Peptide - Images**

#### **KCE1L Antibody (Center) 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 membrane protein which has sequence similarity to the KCNE1 gene product, a member of the potassium channel, voltage-gated, *isk*-related subfamily. This intronless gene is deleted in AMME contiguous gene syndrome and may be involved in the cardiac and neurologic abnormalities found in the AMME contiguous gene syndrome.

#### **KCE1L Antibody (Center) Blocking Peptide - References**

Ravn, L.S., et al. Heart Rhythm 5(3):427-435(2008)Lundquist, A.L., et al. Genomics 87(1):119-128(2006)Ravn, L.S., et al. Am. J. Cardiol. 96(3):405-407(2005)Yang, Y., et al. Am. J. Hum. Genet. 75(5):899-905(2004)Hofman-Bang, J., et al. Clin. Chim. Acta 345 (1-2), 49-53 (2004) Piccini, M., et al. Genomics 60(3):251-257(1999)