

**KCNH2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8811c****Specification**

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**KCNH2 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q12809](#)**KCNH2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 3757**Other Names**

Potassium voltage-gated channel subfamily H member 2, Eag homolog, Ether-a-go-go-related gene potassium channel 1, ERG-1, Eag-related protein 1, Ether-a-go-go-related protein 1, H-ERG, hERG-1, hERG1, Voltage-gated potassium channel subunit Kv111, KCNH2, ERG, ERG1, HERG

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8811c](/products/AP8811c) was selected from the Center region of human KCNH2. 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.

**KCNH2 Antibody (Center) Blocking Peptide - Protein Information****Name** KCNH2**Synonyms** ERG, ERG1, HERG**Function**

Pore-forming (alpha) subunit of voltage-gated inwardly rectifying potassium channel. Channel properties are modulated by cAMP and subunit assembly. Mediates the rapidly activating component of the delayed rectifying potassium current in heart (IKr) (PubMed: [18559421](http://www.uniprot.org/citations/18559421), PubMed: [26363003](http://www.uniprot.org/citations/26363003), PubMed: [27916661](http://www.uniprot.org/citations/27916661)).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Highly expressed in heart and brain. Isoforms USO are frequently overexpressed in cancer cells

**KCNH2 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**KCNH2 Antibody (Center) Blocking Peptide - Images****KCNH2 Antibody (Center) Blocking Peptide - Background**

KCNH2 is a voltage-activated potassium channel belonging to the eag family.

**KCNH2 Antibody (Center) Blocking Peptide - References**

Trudeau,M.C., et.al., Science 269 (5220), 92-95 (1995)