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KCNH2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8811c

Specification

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 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 - 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)

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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, PubMed:26363003, PubMed: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