

KCNH6 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11929c**Specification**

KCNH6 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9H252](#)**KCNH6 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 81033

Other Names

Potassium voltage-gated channel subfamily H member 6, Ether-a-go-go-related gene potassium channel 2, ERG-2, Eag-related protein 2, Ether-a-go-go-related protein 2, hERG-2, hERG2, Voltage-gated potassium channel subunit Kv112, KCNH6, ERG2

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.

KCNH6 Antibody (Center) Blocking peptide - Protein InformationName KCNH6 ([HGNC:18862](#))

Synonyms ERG2

Function

Pore-forming (alpha) subunit of voltage-gated inwardly rectifying potassium channel. Characterized by unusual gating kinetics by producing relatively small outward currents during membrane depolarization and large inward currents during subsequent repolarization which reflect a rapid inactivation during depolarization and quick recovery from inactivation but slow deactivation (closing) during repolarization. Activates even more slowly than KCNH2.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q12809}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q12809}

Tissue Location

Expressed in prolactin-secreting adenomas.

KCNH6 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

KCNH6 Antibody (Center) Blocking peptide - Images

KCNH6 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 member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined.

KCNH6 Antibody (Center) Blocking peptide - References

Liu, B.C., et al. Prog. Neuropsychopharmacol. Biol. Psychiatry 34(3):506-509(2010)
Gutman, G.A., et al. Pharmacol. Rev. 57(4):473-508(2005)
Bauer, C.K., et al. Pflugers Arch. 445(5):589-600(2003)
Ganetzky, B., et al. Ann. N. Y. Acad. Sci. 868, 356-369 (1999) :