10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Kcnh2 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10762

Product Information

Application	WB
Primary Accession	O35219
Other Accession	NM_013569, NP_038597
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	126886

Additional Information

Gene ID	16511
Alias Symbol	AI326795, ERG1, LQT, Lqt2, M-erg, Merg1, merg1a, merg1b
Other Names	Potassium voltage-gated channel subfamily H member 2, Ether-a-go-go-related gene potassium channel 1, ERG-1, Eag-related protein 1, Ether-a-go-go-related protein 1, MERG, Voltage-gated potassium channel subunit Kv11.1, Kcnh2, Erg, Merg1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Kcnh2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Kcnh2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Kcnh2 {ECO:0000312|MGI:MGI:1341722}
Synonyms	Erg, Merg1
Function	Pore-forming (alpha) subunit of voltage-gated inwardly rectifying potassium channel (PubMed:9351446, PubMed:9351462). 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. Channel properties are modulated by cAMP and subunit assembly (PubMed:9351446, PubMed:9351462). Forms a stable complex with KCNE1 or KCNE2, and that this heteromultimerization regulates inward rectifier potassium channel activity (By similarity).

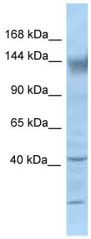
Cellular Location

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

Tissue Location

[Isoform 1]: Expressed in heart, brain and testis and at low levels in lung. [Isoform 2]: Weakly expressed in all tissues.

Images



WB Suggested Anti-Kcnh2 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Kidney