

Product datasheet for **TA321091**

KCNH2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse brain tissue
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 886-899 amino acids of Human potassium voltage-gated channel, subfamily H (eag-related), member 2
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	90 kDa
Gene Name:	potassium voltage-gated channel subfamily H member 2
Database Link:	NP_000229 Entrez Gene 16511 Mouse Entrez Gene 117018 Rat Entrez Gene 3757 Human Q12809



[View online »](#)

Background:

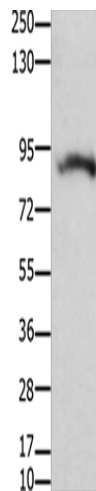
This gene encodes a voltage-activated potassium channel belonging to the eag family. It shares sequence similarity with the *Drosophila* ether-a-go-go (*eag*) gene. Mutations in this gene can cause long QT syndrome type 2 (LQT2). Transcript variants encoding distinct isoforms have been identified. Pore-forming (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). Isoform 3 has no channel activity by itself; but modulates channel characteristics when associated with isoform 1.

Synonyms:

ERG-1; ERG1; H-ERG; HERG; HERG1; Kv11.1; LQT2; SQT1

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transcription Factors, Transmembrane

Product images:

Gel: 8%SDS-PAGE
Lysate: 30 µg
Lane: Mouse brain tissue
Primary antibody: TA321091 (KCNH2 Antibody) at dilution 1/100
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 5 minutes