

**Anti-Human/Mouse/Rat KCNH2 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA07849**

---

3th Edition

**Description:** 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.

**Antigen:** Synthetic peptide of human KCNH2

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Highly expressed in heart and brain.