

**Anti-Human/Mouse KCNK4 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA06051**

---

3th Edition

**Description:** This gene encodes a member of the TWIK-related arachidonic acid-stimulated two pore potassium channel subfamily. The encoded protein homodimerizes and functions as an outwardly rectifying channel. This channel is regulated by polyunsaturated fatty acids, temperature and mechanical deformation of the lipid membrane. This protein is expressed primarily in neural tissues and may be involved in regulating the noxious input threshold in dorsal root ganglia neurons. Alternate splicing results in multiple transcript variants. Naturally occurring read-through transcripts also exist between this gene and the downstream testis expressed 40 (TEX40) gene, as represented in GeneID: 106780802. KCNK4 (Potassium Two Pore Domain Channel Subfamily K Member 4) is a Protein Coding gene. Diseases associated with KCNK4 include Dentin Sensitivity. Among its related pathways are Cardiac conduction and Neuropathic Pain-Signaling in Dorsal Horn Neurons. GO annotations related to this gene include ion channel activity and voltage-gated ion channel activity. An important paralog of this gene is KCNK10.

**Antigen:** Synthesized peptide derived from the C-terminal region of human TRAAK

**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:**