

Anti-Human/Mouse/Rat KCNK10 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA03958

3th Edition

Description:The protein encoded by this gene belongs to the family of potassium channel proteins containing two pore-forming P domains. This channel is an open rectifier which primarily passes outward current under physiological K⁺ concentrations, and is stimulated strongly by arachidonic acid and to a lesser degree by membrane stretching, intracellular acidification, and general anaesthetics. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. KCNK10 (Potassium Two Pore Domain Channel Subfamily K Member 10) is a Protein Coding gene. Diseases associated with KCNK10 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 potassium channel activity and potassium ion leak channel activity. An important paralog of this gene is KCNK2.

Antigen:Synthetic Peptide

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:Abundantly expressed in pancreas and kidney and to a lower level in brain, testis, colon, and small intestine. Isoform b is strongly expressed in kidney (primarily in the proximal tubule) and pancreas, whereas isoform c is abundantly expressed in brain.