

PACO63784

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## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA

**Recommended dilutions:****Protein Background:**

Voltage-gated potassium channel that mediates transmembrane potassium transport in excitable membranes, primarily in the brain, but also in the pancreas and cardiovascular system. Contributes to the regulation of the action potential (AP) repolarization, duration and frequency of repetitive AP firing in neurons, muscle cells and endocrine cells and plays a role in homeostatic attenuation of electrical excitability throughout the brain. Plays also a role in the regulation of exocytosis independently of its electrical function. Forms tetrameric potassium-selective channels through which potassium ions pass in accordance with their electrochemical gradient. The channel alternates between opened and closed conformations in response to the voltage difference across the membrane. Homotetrameric channels mediate a delayed-rectifier voltage-dependent outward potassium current that display rapid activation and slow inactivation in response to membrane depolarization.

**Gene ID:**

KCNB1

**Uniprot**

Q14721

**Synonyms:**

Potassium voltage-gated channel subfamily B member 1 (Delayed rectifier potassium channel 1) (DRK1) (h-DRK1) (Voltage-gated potassium channel subunit Kv2.1), KCNB1

**Immunogen:**

Recombinant Human Potassium voltage-gated channel subfamily B member 1 protein (535-765AA).

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

## Product Images

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N/A

N/A