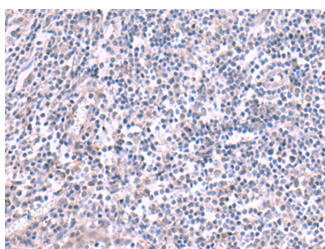


## KCNK10 Polyclonal Antibody

|                     |   |                   |        |
|---------------------|---|-------------------|--------|
| <b>Catalog No.</b>  | E-AB-18165                                  | <b>Reactivity</b> | H,R    |
| <b>Storage</b>      | Store at -20°C. Avoid freeze / thaw cycles. | <b>Host</b>       | Rabbit |
| <b>Applications</b> | IHC,ELISA                                   | <b>Isotype</b>    | IgG    |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry of paraffin-embedded Human tonsil tissue using KCNK10 Polyclonal Antibody at dilution of 1:45(×200)

### Immunogen Information

|                       |   |
|-----------------------|---|
| <b>Immunogen</b>      | Synthetic peptide of human KCNK10   |
| <b>Gene Accession</b> | NP066984  |
| <b>Swissprot</b>      | P57789  |
| <b>Synonyms</b>       | 2P domain potassium channel<br>TREK2,K2p10.1,KCNK10,KCNKA,TREK 2,TREK 2 K,TREK2 |

### Product Information

|                 |  |
|-----------------|--|
| <b>Buffer</b>   | PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4 |
| <b>Purify</b>   | Antigen affinity purification                          |
| <b>Dilution</b> | IHC 1:30-1:150, ELISA 1:5000-1:10000                   |

### Background

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<sup>+</sup> 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.