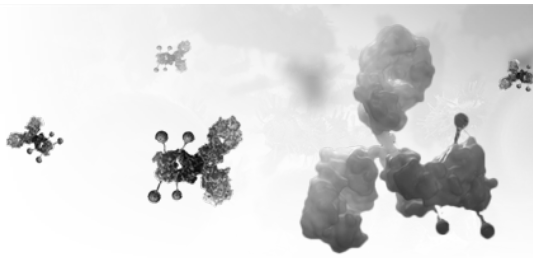

# Mouse anti-Human KCNK10 monoclonal antibody, clone 2D2 (CABT-B10505)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Immunogen** | KCNK10 (NP_066984, 439 a.a. ~ 539 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 2D2 |
| **Conjugate** | Unconjugated |
| **Applications** | WB,sELISA,ELISA |
| **Sequence Similarities** | SEDNIINKFGSTSRLTKRKNKDLKKTLPEDVQKIYKTFRNYSLDEEKKEEETEKMCNSDN SSTAMLTDCIQQHAELENGMIPTDTKDREPENNSLLEDRN* |
| **Format** | Liquid |
| **Size** | 100 µg |
| **Buffer** | In 1x PBS, pH 7.2 |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## BACKGROUND

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|---|---|
| **Introduction** | 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 |

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| | |
|---|---|
| | 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. [provided by RefSeq, Sep 2008] |
| **Keywords** | KCNK10; potassium channel, two pore domain subfamily K, member 10; TREK2; TREK-2; K2p10.1; PPP1R97; potassium channel subfamily K member 10; potassium channel TREK-2; TWIK-related K+ channel 2; TREK-2 K(+) channel subunit; 2P domain potassium channel TREK2; potassium channel, subfamily K, member 10; protein phosphatase 1, regulatory subunit 97; outward rectifying potassium channel protein TREK-2; |

# GENE INFORMATION

| | |
|---|---|
| **Entrez Gene ID** | 54207 |
| **UniProt ID** | P57789 |
| **Pathway** | Gastric acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem; Potassium Channels, organism-specific biosystem; Synaptic Transmission, organism-specific biosystem; TWIK related potassium channel (TREK), organism-specific biosystem; Tandem pore domain potassium channels, organism-specific biosystem |
| **Function** | ion channel activity; potassium channel activity; voltage-gated ion channel activity |

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