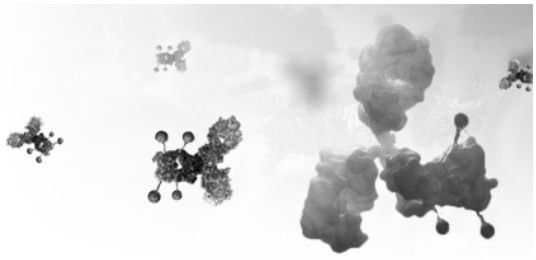

Anti-KCNK2 (N-terminal) polyclonal antibody (CPBT-55056RH)

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

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human KCNK2.
Antigen Description	This gene encodes one of the members of the two-pore-domain background potassium channel protein family. This type of potassium channel is formed by two homodimers that create a channel that leaks potassium out of the cell to control resting membrane potential. The channel can be opened, however, by certain anesthetics, membrane stretching, intracellular acidosis, and heat. Three transcript variants encoding different isoforms have been found for this gene.
Immunogen	Synthetic peptide from the N terminal region of human KCNK2, conjugated to an immunogenic carrier protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	ICC/IF, WB, IHC-P, IHC-Fr
Sequence Similarities	Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.
Cellular Localization	Membrane.
Format	Liquid
Size	100 µl

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Buffer	PBS
Preservative	0.05% Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C (add glycerol to a final volume of 40% for extra stability). Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	KCNK2 potassium channel, subfamily K, member 2 [Homo sapiens]
Official Symbol	KCNK2
Synonyms	KCNK2; potassium channel, subfamily K, member 2; potassium channel subfamily K member 2; K2p2.1; TREK 1; hTREK 1c; hTREK 1e; K2p2.1; K2P2.1 potassium channel; KCNK 2; Kcnk2; KCNK2_HUMAN; MGC126742; MGC126744; Outward rectifying potassium channel protein TREK 1; Outward rectifying potassium channel protein TREK-1; Outward rectifying potassium channel protein TREK1; Potassium channel subfamily K member 2; Potassium inwardly rectifying channel subfamily K member 2; Tandem pore domain potassium channel TREK 1; Tandem pore domain potassium channel TREK1; TPKC1; TREK 1; TREK 1 K(+) channel subunit; TREK; TREK-1 K(+) channel subunit; TREK1; TWIK related potassium channel 1; Two pore domain potassium channel TREK 1; Two pore domain potassium channel TREK-1; Two pore domain potassium channel TREK1; Two pore potassium channel 1; Two pore potassium channel TPKC1; K2P2.1 potassium channel; TREK-1 K(+) channel subunit; two-pore potassium channel 1; TWIK-related potassium channel 1; two pore potassium channel TPKC1; two pore domain potassium channel TREK-1; tandem-pore-domain potassium channel TREK-1; outward rectifying potassium channel protein TREK-1; potassium inwardly-rectifying channel, subfamily K, member 2; TREK; TPKC1; TREK1; TREK-1; hTREK-1c; hTREK-1e;
Entrez Gene ID	3776
Protein Refseq	NP_001017424
UniProt ID	O95069
Chromosome Location	1q41
Pathway	Gastric acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem; Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; TWIK related potassium channel (TREK), organism-specific biosystem; Tandem pore domain potassium channels, organism-specific biosystem;
Function	ion channel activity; outward rectifier potassium channel activity; potassium channel activity; potassium channel activity; voltage-gated ion channel activity;

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