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KCNK17 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56459

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96T54
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36895

Additional Information

Gene ID	89822
Other Names	Potassium channel subfamily K member 17, 2P domain potassium channel Talk-2, Acid-sensitive potassium channel protein TASK-4, TWIK-related acid-sensitive K(+) channel 4, TWIK-related alkaline pH-activated K(+) channel 2, TALK-2, KCNK17, TALK2, TASK4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KCNK17 (HGNC:14465)
Synonyms	TALK2, TASK4
Function	K(+) channel that conducts voltage-dependent outward rectifying currents upon membrane depolarization. Voltage sensing is coupled to K(+) electrochemical gradient in an 'ion flux gating' mode where outward but not inward ion flow opens the gate (PubMed:11248242, PubMed:11263999, PubMed:26919430, PubMed:36063992). Homo- and heterodimerizes to form functional channels with distinct regulatory and gating properties (PubMed:36063992). Present in the cardiac conduction system where it may regulate action potential duration and beating frequency of cardiac myocytes (PubMed:24972929). Permeable to other monovalent cations such as Rb(+) and Cs(+) (By similarity) (PubMed:26919430).
Cellular Location	Cell membrane; Multi-pass membrane protein

Tissue Location	Widely expressed. Highly expressed in aorta and coronary artery. Expressed in pancreas, in both endocrine (alpha, beta, gamma, delta, and epsilon) and exocrine (acinar and ductal) cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.