

KCNK17 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56459**Specification**

KCNK17 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O96T54
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36895

KCNK17 Polyclonal Antibody - 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 ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

KCNK17 Polyclonal Antibody - 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

KCNK17 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KCNK17 Polyclonal Antibody - Images