

KCNQ3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56465**Specification**

KCNQ3 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O43525
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	96742

KCNQ3 Polyclonal Antibody - Additional Information**Gene ID** 3786**Other Names**

Potassium voltage-gated channel subfamily KQT member 3, KQT-like 3, Potassium channel subunit alpha KvLQT3, Voltage-gated potassium channel subunit Kv7.3, KCNQ3 (HGNC:6297)

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.

KCNQ3 Polyclonal Antibody - Protein Information**Name** KCNQ3 ([HGNC:6297](#))**Function**

Associates with KCNQ2 or KCNQ5 to form a potassium channel with essentially identical properties to the channel underlying the native M-current, a slowly activating and deactivating potassium conductance which plays a critical role in determining the subthreshold electrical excitability of neurons as well as the responsiveness to synaptic inputs. Therefore, it is important in the regulation of neuronal excitability. KCNQ2-KCNQ3 channel is selectively permeable to other cations besides potassium, in decreasing order of affinity K(+) > Rb(+) > Cs(+) > Na(+). Associates with Na(+)-coupled myo-inositol symporter SLC5A3 forming a coregulatory complex that alters ion selectivity, increasing Na(+) and Cs(+) permeation relative to K(+) permeation (PubMed:28793216).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Predominantly expressed in brain.

KCNQ3 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](#)

KCNQ3 Polyclonal Antibody - Images