KCNQ3 polyclonal antibody

Catalog # PAB15640 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised aganist synthetic peptide of KCNQ3.
Immunogen	A synthetic peptide corresponding to human KCNQ3.
Sequence	C-SDSVWTPSNKPI
Host	Goat
Theoretical MW (kDa)	96.7
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — KCNQ3

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Entrez GeneID	3786
Protein Accession#	NP_004510.1
Gene Name	KCNQ3
Gene Alias	BFNC2, EBN2, KV7.3
Gene Description	potassium voltage-gated channel, KQT-like subfamily, member 3
Omim ID	121201 602232
Gene Ontology	Hyperlink
Gene Summary	The M channel is a slowly activating and deactivating potassium channel that plays a critical role in the regulation of neuronal excitability. The M channel is formed by the association of the protein encoded by this gene and one of two related proteins encoded by the KCNQ2 and KCNQ5 genes, both integral membrane proteins. M channel currents are inhibited by M1 muscarinic acetylcholine receptors and activated by retigabine, a novel anti-convulsant drug. Defects in this gene are a cause of benign familial neonatal convulsions type 2 (BFNC2), also known as epilepsy, benign neonatal type 2 (EBN2). [provided by RefSeq
Other Designations	potassium channel, voltage-gated, subfamily Q, member 3|potassium voltage-gated channel KQT-like protein 3

Publication Reference

- Regulation of the voltage-gated K(+) channels KCNQ2/3 and KCNQ3/5 by ubiquitination. Novel role for Nedd4-2.

  Ekberg J, Schuetz F, Boase NA, Conroy SJ, Manning J, Kumar S, Poronnik P, Adams DJ.

  The Journal of Biological Chemistry 2007 Apr; 282(16):12135.

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Migraine without Aura
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.