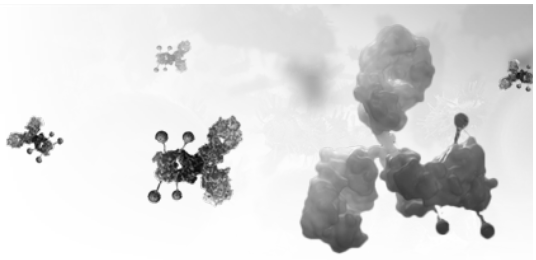

Anti-KCNQ3 polyclonal antibody (DPAB-DC1781)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that functions in the regulation of neuronal excitability. The encoded protein forms an M-channel by associating with the products of the related KCNQ2 or KCNQ5 genes, which both encode integral membrane proteins. M-channel currents are inhibited by M1 muscarinic acetylcholine receptors and are 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). Alternative splicing of this gene results in multiple transcript variants.
Immunogen	A synthetic peptide corresponding to human KCNQ3. The sequence is C-SDSVWTPSNKPI
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	KCNQ3 potassium voltage-gated channel, KQT-like subfamily, member 3 [Homo sapiens (human)]
Official Symbol	KCNQ3
Synonyms	KCNQ3; potassium voltage-gated channel, KQT-like subfamily, member 3; EBN2; BFNC2; KV7.3; potassium voltage-gated channel subfamily KQT member 3; potassium channel subunit alpha KvLQT3; voltage-gated potassium channel subunit Kv7.3; potassium channel, voltage-gated, subfamily Q, member 3;
Entrez Gene ID	3786
Protein Refseq	NP_001191753
UniProt ID	O43525
Chromosome Location	8q24
Pathway	Axon guidance; Developmental Biology; L1CAM interactions; Potassium Channels
Function	delayed rectifier potassium channel activity; potassium channel activity; voltage-gated potassium channel activity;

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