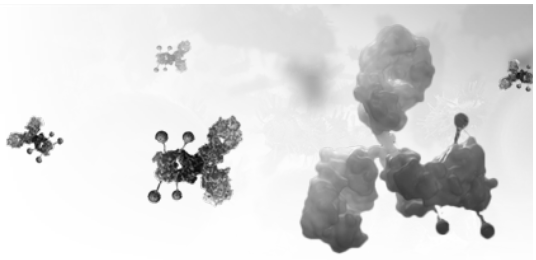

Human KCNQ3 blocking peptide (CDBP1677)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-KCNQ3 antibody
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. [provided by RefSeq, May 2014]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	KCNQ3 potassium voltage-gated channel, KQT-like subfamily, member 3 [Homo sapiens]
Official Symbol	KCNQ3
Synonyms	KCNQ3; potassium voltage-gated channel, KQT-like subfamily, member 3; EBN2; potassium

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	voltage-gated channel subfamily KQT member 3; Kv7.3; potassium channel subunit alpha KvLQT3; voltage-gated potassium channel subunit Kv7.3; potassium channel, voltage-gated, subfamily Q, member 3; BFNC2; KV7.3; FLJ37386; FLJ38392; DKFZp686C0248;
Entrez Gene ID	3786
mRNA Refseq	NM_001204824
Protein Refseq	NP_001191753
UniProt ID	O43525
Chromosome Location	8q24
Pathway	Axon guidance, organism-specific biosystem; Cholinergic synapse, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Interaction between L1 and Ankyrins, organism-specific biosystem; L1CAM interactions, organism-specific biosystem; Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem;
Function	potassium channel activity; voltage-gated ion channel activity; voltage-gated potassium channel activity;

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