



Human KCNE3 blocking peptide (CDBP1670)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-KCNE3 antibody
Antigen Description	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, isk-related subfamily. This member is a type I membrane protein, and a beta subunit that assembles with a potassium channel alpha-subunit to modulate the gating kinetics and enhance stability of the multimeric complex. This gene is prominently expressed in the kidney. A missense mutation in this gene is associated with hypokalemic periodic paralysis. [provided by RefSeq, Jul 2008]
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	KCNE3 potassium voltage-gated channel, Isk-related family, member 3 [Homo sapiens]
Official Symbol	KCNE3

Synonyms	KCNE3; potassium voltage-gated channel, Isk-related family, member 3; potassium voltage-gated channel subfamily E member 3; HOKPP; MiRP2; minK-related peptide 2; potassium channel subunit beta MiRP2; voltage-gated K ⁺ channel subunit MIRP2; minimum potassium ion channel-related peptide 2; cardiac voltage-gated potassium channel accessory subunit; HYPP; MGC102685; MGC129924; DKFZp781H21101;
Entrez Gene ID	10008
mRNA Refseq	NM_005472
Protein Refseq	NP_005463
UniProt ID	Q9Y6H6
Chromosome Location	11q13.4
Pathway	Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;
Function	potassium channel regulator activity; voltage-gated ion channel activity; voltage-gated potassium channel activity;