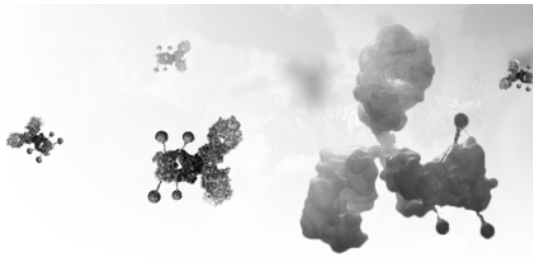

Human KCNB1 blocking peptide (CDBP1668)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-KCNB1/DRK1 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. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shab-related subfamily. This member is a delayed rectifier potassium channel and its activity is modulated by some other family members. [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	KCNB1 potassium voltage-gated channel, Shab-related subfamily, member 1 [Homo sapiens]
Official Symbol	KCNB1

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Synonyms	KCNB1; potassium voltage-gated channel, Shab-related subfamily, member 1; potassium voltage-gated channel subfamily B member 1; Kv2.1; h-DRK1 K(+) channel; potassium channel protein DRK1; delayed rectifier potassium channel 1; delayed rectifier potassium channel Kv2.1; voltage-gated potassium channel subunit Kv2.1; DRK1; KV2.1; h-DRK1;
Entrez Gene ID	3745
mRNA Refseq	NM_004975
Protein Refseq	NP_004966
UniProt ID	Q14721
Chromosome Location	20q13.2
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Regulation of Insulin Secretion, organism-specific biosystem; Regulation of Insulin Secretion by Glucagon-like Peptide-1, organism-specific biosystem;
Function	protein binding; voltage-gated ion channel activity; voltage-gated potassium channel activity;

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