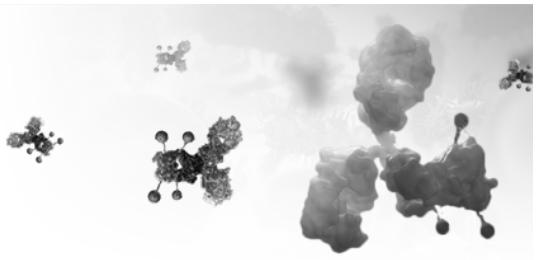

Human SCN5A blocking peptide (CDBP2615)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-SCN5A antibody
Antigen Description	The protein encoded by this gene is an integral membrane protein and tetrodotoxin-resistant voltage-gated sodium channel subunit. This protein is found primarily in cardiac muscle and is responsible for the initial upstroke of the action potential in an electrocardiogram. Defects in this gene are a cause of long QT syndrome type 3 (LQT3), an autosomal dominant cardiac disease. Alternative splicing results in several transcript variants encoding different isoforms. [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	SCN5A sodium channel, voltage-gated, type V, alpha subunit [Homo sapiens]
Official Symbol	SCN5A
Synonyms	SCN5A; sodium channel, voltage-gated, type V, alpha subunit; CMD1E, sodium channel, voltage gated, type V, alpha (long QT syndrome 3); sodium channel protein type 5 subunit

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	alpha; CDCD2; CMPD2; HB1; HB2; HBBD; HH1; ICCD; IVF; long QT syndrome 3; LQT3; Nav1.5; PFHB1; SSS1; voltage-gated sodium channel subunit alpha Nav1.5; sodium channel protein cardiac muscle subunit alpha; cardiac tetrodotoxin-insensitive voltage-dependent sodium channel alpha subunit; VF1; CMD1E;
Entrez Gene ID	6331
mRNA Refseq	NM_000335
Protein Refseq	NP_000326
UniProt ID	Q14524
Chromosome Location	3p21
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Interaction between L1 and Ankyrins, organism-specific biosystem; L1CAM interactions, organism-specific biosystem; SIDS Susceptibility Pathways, organism-specific biosystem;
Function	calmodulin binding; ion channel activity; protein binding; voltage-gated ion channel activity; voltage-gated sodium channel activity;

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