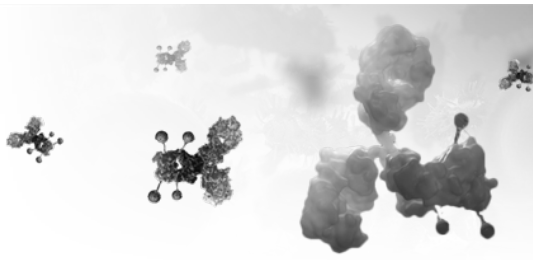

Human CACNA2D1 blocking peptide (CDBP0650)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-CACNA2D1 antibody
Antigen Description	This gene encodes a member of the alpha-2/delta subunit family, a protein in the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Research on a highly similar protein in rabbit suggests the protein described in this record is cleaved into alpha-2 and delta subunits. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [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	CACNA2D1 calcium channel, voltage-dependent, alpha 2/delta subunit 1 [Homo sapiens]
Official Symbol	CACNA2D1

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Synonyms	CACNA2D1; calcium channel, voltage-dependent, alpha 2/delta subunit 1; CACNA2, CACNL2A, MHS3; voltage-dependent calcium channel subunit alpha-2/delta-1; calcium channel, L type, alpha 2 polypeptide; voltage-gated calcium channel subunit alpha-2/delta-1; dihydropyridine-sensitive L-type, calcium channel alpha-2/delta subunit; CACNA2; CCHL2A; CACNL2A;
Entrez Gene ID	781
mRNA Refseq	NM_000722
Protein Refseq	NP_000713
UniProt ID	P54289
Chromosome Location	7q21-q22
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Depolarization of the Presynaptic Terminal Triggers the Opening of Calcium Channels, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem;
Function	metal ion binding; contributes_to voltage-gated calcium channel activity; voltage-gated ion channel activity;

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