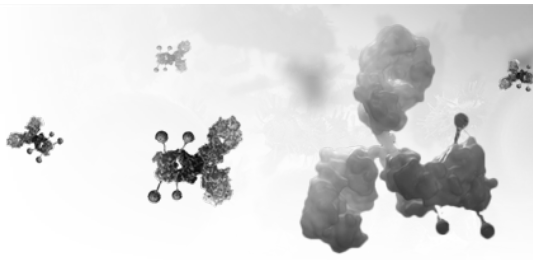

Human CACNA1G blocking peptide (CDBP0649)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-CACNA1G antibody
Antigen Description	Voltage-sensitive calcium channels mediate the entry of calcium ions into excitable cells, and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division, and cell death. This gene encodes a T-type, low-voltage activated calcium channel. The T-type channels generate currents that are both transient, owing to fast inactivation, and tiny, owing to small conductance. T-type channels are thought to be involved in pacemaker activity, low-threshold calcium spikes, neuronal oscillations and resonance, and rebound burst firing. Many alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Sep 2011]
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	CACNA1G calcium channel, voltage-dependent, T type, alpha 1G subunit [Homo sapiens

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	(human)]
Official Symbol	CACNA1G
Synonyms	CACNA1G; calcium channel, voltage-dependent, T type, alpha 1G subunit; NBR13; Cav3.1; Ca(V)T.1; voltage-dependent T-type calcium channel subunit alpha-1G; cav3.1c; voltage-gated calcium channel subunit alpha Cav3.1; voltage-dependent T-type calcium channel alpha 1G subunit; voltage-dependent calcium channel alpha 1G subunit, isoform 11;
Entrez Gene ID	8913
mRNA Refseq	NM_001256324.1
Protein Refseq	NP_001243253.1
UniProt ID	O43497
Chromosome Location	17q22
Pathway	Axon guidance, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Circadian entrainment, organism-specific biosystem; Circadian entrainment, conserved biosystem; Developmental Biology, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific
Function	low voltage-gated calcium channel activity; scaffold protein binding;

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