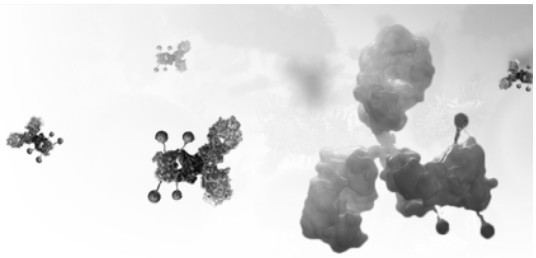

Human UNC13B blocking peptide (CDBP3128)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-UNC13B antibody
Antigen Description	This gene is expressed in the kidney cortical epithelial cells and is upregulated by hyperglycemia. The encoded protein shares a high level of similarity to the rat homolog, and contains 3 C2 domains and a diacylglycerol-binding C1 domain. Hyperglycemia increases the levels of diacylglycerol, which has been shown to induce apoptosis in cells transfected with this gene and thus contribute to the renal cell complications of hyperglycemia. Studies in other species also indicate a role for this protein in the priming step of synaptic vesicle exocytosis. [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	UNC13B unc-13 homolog B (C. elegans) [Homo sapiens]
Official Symbol	UNC13B
Synonyms	UNC13B; unc-13 homolog B (C. elegans); unc 13 like (C. elegans) , UNC13; protein unc-13

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	homolog B; hmunc13; Unc13h2; munc13-2; homolog of rat Munc13 (diacylglycerol-binding); UNC13; MUNC13; MGC133279; MGC133280;
Entrez Gene ID	10497
mRNA Refseq	NM_006377
Protein Refseq	NP_006368
UniProt ID	O14795
Chromosome Location	9p13.3
Pathway	Effects of Botulinum toxin, organism-specific biosystem; Glutamate Neurotransmitter Release Cycle, organism-specific biosystem; Monoamine Transport, organism-specific biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter Release Cycle, organism-specific biosystem; Synaptic vesicle cycle, organism-specific biosystem; Synaptic vesicle cycle, conserved biosystem;
Function	metal ion binding; receptor activity; signal transducer activity;

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