



Human MTNR1B blocking peptide (CDBP1928)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-MTNR1B antibody
Antigen Description	This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. This gene product is an integral membrane protein that is a G-protein coupled, 7-transmembrane receptor. It is found primarily in the retina and brain although this detection requires RT-PCR. It is thought to participate in light-dependent functions in the retina and may be involved in the neurobiological effects of melatonin. [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	MTNR1B melatonin receptor 1B [Homo sapiens]
Official Symbol	MTNR1B
Synonyms	MTNR1B; melatonin receptor 1B; melatonin receptor type 1B; mel1b receptor; melatonin receptor MEL1B; MT2; FGQTL2; MEL-1B-R;

Entrez Gene ID	4544
mRNA Refseq	NM_005959
Protein Refseq	NP_005950
UniProt ID	P49286
Chromosome Location	11q21-q22
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;
Function	G-protein coupled receptor activity; melatonin receptor activity; receptor activity; signal transducer activity;
