



Human ORC6 blocking peptide (CDBP2130)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ORC6L antibody
Antigen Description	The origin recognition complex (ORC) is a highly conserved six subunit protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subunit of the ORC complex. Gene silencing studies with small interfering RNA demonstrated that this protein plays an essential role in coordinating chromosome replication and segregation with cytokinesis. [provided by RefSeq, Oct 2010]
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	ORC6 origin recognition complex, subunit 6 [Homo sapiens (human)]
Official Symbol	ORC6
Synonyms	ORC6; origin recognition complex, subunit 6; ORC6L; origin recognition complex subunit 6;

Entrez Gene ID	23594
mRNA Refseq	NM_014321.3
Protein Refseq	NP_055136.1
UniProt ID	Q9Y5N6
Chromosome Location	16q12
Pathway	Activation of ATR in response to replication stress, organism-specific biosystem; Activation of the pre-replicative complex, organism-specific biosystem; Assembly of the ORC complex at the origin of replication, organism-specific biosystem; Assembly of the pre-replicative complex, organism-specific biosystem; CDC6 association with the ORC:origin complex, organism-specific biosystem; CDT1 association with the CDC6:ORC:origin complex, organism-specific biosystem; Cell Cycle, organism-specific bios
Function	DNA binding; protein binding;