



Human DKC1 blocking peptide (CDBP1012)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-DKC1 antibody
Antigen Description	This gene functions in two distinct complexes. It plays an active role in telomerase stabilization and maintenance, as well as recognition of snoRNAs containing H/ACA sequences which provides stability during biogenesis and assembly into H/ACA small nucleolar RNA ribonucleoproteins (snoRNPs). This gene is highly conserved and widely expressed, and may play additional roles in nucleo-cytoplasmic shuttling, DNA damage response, and cell adhesion. Mutations have been associated with X-linked dyskeratosis congenita. Alternative splicing results in multiple transcript variants.
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	DKC1 dyskeratosis congenita 1, dyskerin [Homo sapiens]
Official Symbol	DKC1
Synonyms	DKC1; dyskeratosis congenita 1, dyskerin; DKC; H/ACA ribonucleoprotein complex subunit 4;

dyskerin; NAP57; NOLA4; XAP101; CBF5 homolog; cbf5p homolog; snoRNP protein DKC1; nucleolar protein NAP57; nucleolar protein family A member 4; nopp140-associated protein of 57 kDa; CBF5; DKCX; FLJ97620;

Entrez Gene ID	1736
mRNA Refseq	NM_001142463
Protein Refseq	NP_001135935
UniProt ID	O60832
Chromosome Location	Xq28
Pathway	Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Extension of Telomeres, organism-specific biosystem; H/ACA ribonucleoprotein complex, organism-specific biosystem; Regulation of Telomerase, organism-specific biosystem; Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem;
Function	RNA binding; isomerase activity; protein binding; pseudouridine synthase activity; telomerase activity;