



Human Dnmt1 blocking peptide (CDBP1031)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-DNMT1 antibody
Antigen Description	DNA (cytosine-5-)-methyltransferase 1 has a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Aberrant methylation patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding different isoforms have been found for this gene.
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	DNMT1 DNA (cytosine-5-)-methyltransferase 1 [Homo sapiens]
Official Symbol	Dnmt1
Synonyms	DNMT1; DNA (cytosine-5-)-methyltransferase 1; DNMT; DNA (cytosine-5-)-methyltransferase 1; CXXC9; MCMT; m.HsaI; DNA MTase HsaI; CXXC finger protein 9; DNA methyltransferase 1; DNA methyltransferase HsaI; CXXC-type zinc finger protein 9; AIM; HSN1E; FLJ16293; MGC104992;

Entrez Gene ID	1786
mRNA Refseq	NM_001130823
Protein Refseq	NP_001124295
UniProt ID	P26358
Chromosome Location	19p13.2
Pathway	Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Methionine degradation, organism-specific biosystem; Methionine degradation, conserved biosystem; One Carbon Metabolism, organism-specific biosystem; Regulation of retinoblastoma protein, organism-specific biosystem;
Function	DNA (cytosine-5-)-methyltransferase activity; DNA binding; DNA-methyltransferase activity; metal ion binding; protein binding; transcription factor binding; transferase activity; zinc ion binding;