



Human PNKP blocking peptide (CDBP2337)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PNKP/PNK antibody
Antigen Description	This locus represents a gene involved in DNA repair. In response to ionizing radiation or oxidative damage, the protein encoded by this locus catalyzes 5' phosphorylation and 3' dephosphorylation of nucleic acids. Mutations at this locus have been associated with microcephaly, seizures, and developmental delay.[provided by RefSeq, Sep 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	PNKP polynucleotide kinase 3-phosphatase [Homo sapiens (human)]
Official Symbol	PNKP
Synonyms	PNKP; polynucleotide kinase 3-phosphatase; PNK; MCSZ; EIEE10; bifunctional polynucleotide phosphatase/kinase; DNA 5-kinase/3-phosphatase; Homo sapiens polynucleotide kinase 3-phosphatase (PNKP);
Entrez Gene ID	11284

mRNA Refseq	NM_007254.3
Protein Refseq	NP_009185.2
UniProt ID	Q96T60
Chromosome Location	19q13.3-q13.4
Function	ATP binding; ATP-dependent polydeoxyribonucleotide 5-hydroxyl-kinase activity; damaged DNA binding; double-stranded DNA binding; endonuclease activity; nucleotide kinase activity; polynucleotide 3-phosphatase activity; protein binding; purine nucleotide b