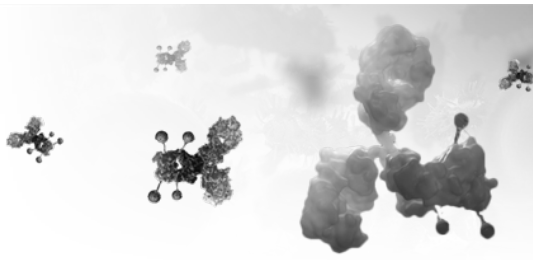

Human HMGA1 blocking peptide (CDBP1485)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-HMGA1 (aa9-21) antibody
Antigen Description	This gene encodes a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-rich regions in double-stranded DNA. It has little secondary structure in solution but assumes distinct conformations when bound to substrates such as DNA or other proteins. The encoded protein is frequently acetylated and is found in the nucleus. At least seven transcript variants encoding two 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	HMGA1 high mobility group AT-hook 1 [Homo sapiens]
Official Symbol	HMGA1
Synonyms	HMGA1; high mobility group AT-hook 1; high mobility group (nonhistone chromosomal) protein

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	isoforms I and Y , HMGIY; high mobility group protein HMG-I/HMG-Y; HMG-I(Y); high mobility group protein R; high mobility group protein A1; nonhistone chromosomal high-mobility group protein HMG-I/HMG-Y; high-mobility group (nonhistone chromosomal) protein isoforms I and Y; HMG-R; HMGIY; HMGA1A; MGC4242; MGC4854; MGC12816;
Entrez Gene ID	3159
mRNA Refseq	NM_002131
Protein Refseq	NP_002122
UniProt ID	P17096
Chromosome Location	6p21
Pathway	2-LTR circle formation, organism-specific biosystem; APOBEC3G mediated resistance to HIV-1 infection, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Autointegration results in viral DNA circles, organism-specific biosystem; Disease, organism-specific biosystem; Early Phase of HIV Life Cycle, organism-specific biosystem; HIV Infection, organism-specific biosystem;
Function	5-deoxyribose-5-phosphate lyase activity; AT DNA binding; DNA binding; DNA-(apurinic or apyrimidinic site) lyase activity; enzyme binding; ligand-dependent nuclear receptor transcription coactivator activity; peroxisome proliferator activated receptor bin

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