



Human CENPA peptide (DAG-P0346)

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

PRODUCT INFORMATION

Antigen Description	Histone H3-like variant which exclusively replaces conventional H3 in the nucleosome core of centromeric chromatin at the inner plate of the kinetochore. Required for recruitment and assembly of kinetochore proteins, mitotic progression and chromosome segregation. May serve as an epigenetic mark that propagates centromere identity through replication and cell division.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the histone H3 family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	Cenpa centromere protein A [Mus musculus (house mouse)]
Official Symbol	CENPA
Synonyms	CENPA; centromere protein A; Cenp-A; histone H3-like centromeric protein A; centrosomin A; centromere autoantigen A;
Entrez Gene ID	12615
mRNA Refseq	NM_007681.2
Protein Refseq	NP_031707.1
UniProt ID	O35216

Chromosome Location	5 B1; 5 16.76 cM
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic Anaphase, organism-specific biosystem; Mitotic Metaphase and Anaphase, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem; Nucleosome assembly, organism-specific biosystem; Resolution of
Function	DNA binding; protein heterodimerization activity;