



# Human CENPA blocking peptide (DAG-P0345)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Centromeres are the differentiated chromosomal domains that specify the mitotic behavior of chromosomes. CENPA encodes a centromere protein which contains a histone H3 related histone fold domain that is required for targeting to the centromere. CENPA is proposed to be a component of a modified nucleosome or nucleosome-like structure in which it replaces 1 or both copies of conventional histone H3 in the (H3-H4) <sub>2</sub> tetrameric core of the nucleosome particle. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Sequence Similarities</b>	Belongs to the histone H3 family.
<b>Format</b>	Liquid
<b>Buffer</b>	Information available upon request.
<b>Preservative</b>	None
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CENPA centromere protein A [Homo sapiens (human)]</a>
<b>Official Symbol</b>	CENPA
<b>Synonyms</b>	CENPA; centromere protein A; CenH3; CENP-A; histone H3-like centromeric protein A; centromere autoantigen A; centromere protein A, 17kDa; centromere-specific histone;

<b>Entrez Gene ID</b>	<a href="#">1058</a>
<b>mRNA Refseq</b>	<a href="#">NM_001042426.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001035891.1</a>
<b>UniProt ID</b>	P49450
<b>Chromosome Location</b>	2p23.3
<b>Pathway</b>	Aurora A signaling, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; 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; FOXM1 transcription factor network, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic Anaphase, organism-specific biosystem; Mitotic Metap
<b>Function</b>	DNA binding; chromatin binding; protein binding; protein heterodimerization activity;