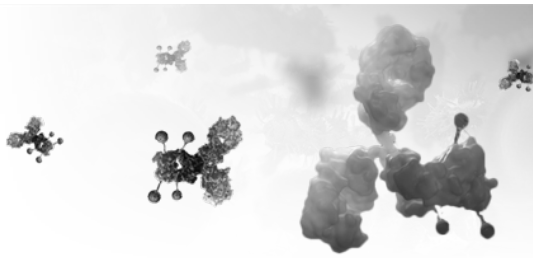

Human HIST2H4A (phospho T96) peptide (DAG-P0589)

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

PRODUCT INFORMATION

Antigen Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
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	HIST2H4A histone cluster 2, H4a [Homo sapiens (human)]
Official Symbol	HIST2H4A
Synonyms	HIST2H4A; histone cluster 2, H4a; H4; H4/n; H4F2; H4FN; FO108; HIST2H4; histone H4; histone 2, H4a; H4 histone, family 2; histone IV, family 2; H4 histone family, member N;

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Entrez Gene ID	8370
mRNA Refseq	NM_003548.2
Protein Refseq	NP_003539.1
UniProt ID	B2R4R0
Chromosome Location	1q21.2
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Amyloids, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Chromatin modifying enzymes, organism-specific biosystem; Chromatin organization, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Condensation of Prophas

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