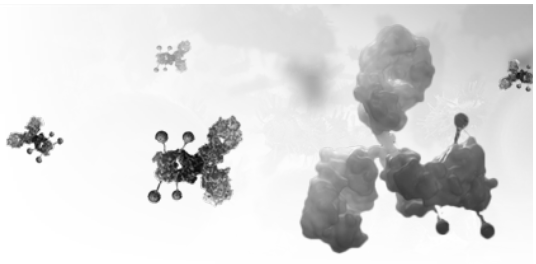

Human HIST1H2AB peptide (DAG-P2059)

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 H2A family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the histone H2A 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	HIST1H2AB histone cluster 1, H2ab [Homo sapiens (human)]
Official Symbol	HIST1H2AB
Synonyms	HIST1H2AB; histone cluster 1, H2ab; H2A/m; H2AFM; histone H2A type 1-B/E; histone H2A/m; histone 1, H2ab; H2A histone family, member M;
Entrez Gene ID	8335

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mRNA Refseq	NM_003513.2
Protein Refseq	NP_003504.2
UniProt ID	P04908
Chromosome Location	6p22.1
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
Function	DNA binding; protein heterodimerization activity;

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