

**HIST1H2AD Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4710b****Specification**

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**HIST1H2AD Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P20671](#)**HIST1H2AD Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 3013**Other Names**

Histone H2A type 1-D, Histone H2A3, Histone H2A/g, HIST1H2AD, H2AFG

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HIST1H2AD Antibody (C-term) Blocking Peptide - Protein Information****Name** H2AC7 ([HGNC:4729](#))**Function**

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

**Cellular Location**

Nucleus. Chromosome.

**HIST1H2AD Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**HIST1H2AD Antibody (C-term) Blocking Peptide - Images**

**HIST1H2AD Antibody (C-term) Blocking Peptide - Background**

HIST1H2AD 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.

**HIST1H2AD Antibody (C-term) Blocking Peptide - References**

Lusic, M., et al. EMBO J. 22(24):6550-6561(2003)Marzluff, W.F., et al. Genomics 80(5):487-498(2002)Deng, L., et al. Virology 289(2):312-326(2001)