

HIST1H2AB Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17445a**Specification**

HIST1H2AB Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P04908](#)**HIST1H2AB Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 3012;8335**Other Names**

Histone H2A type 1-B/E, Histone H2A2, Histone H2A/a, Histone H2A/m, HIST1H2AB, H2AFM

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.

HIST1H2AB Antibody (N-term) Blocking Peptide - Protein Information**Name** H2AC4 ([HGNC:4734](#))**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.

HIST1H2AB Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HIST1H2AB Antibody (N-term) Blocking Peptide - Images

HIST1H2AB Antibody (N-term) Blocking Peptide - Background

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.

HIST1H2AB Antibody (N-term) Blocking Peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press : Bergink, S., et al. Genes Dev. 20(10):1343-1352(2006) Cao, R., et al. Mol. Cell 20(6):845-854(2005) Hagiwara, T., et al. Biochemistry 44(15):5827-5834(2005) Andersen, J.S., et al. Nature 433(7021):77-83(2005)