

**HIST1H2BD Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16578a****Specification**

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**HIST1H2BD Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P58876](#)**HIST1H2BD Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 3017**Other Names**

Histone H2B type 1-D, HIRA-interacting protein 2, Histone H2B1 B, Histone H2Bb, H2B/b, HIST1H2BD, H2BFB, HIRIP2

**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.

**HIST1H2BD Antibody (N-term) Blocking Peptide - Protein Information****Name** H2BC5 ([HGNC:4747](#))**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.

**HIST1H2BD Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**HIST1H2BD Antibody (N-term) Blocking Peptide - Images**

### **HIST1H2BD Antibody (N-term) Blocking Peptide - Background**

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 H2B family. Two transcripts that encode the same protein have been identified for this gene, which is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq].

### **HIST1H2BD Antibody (N-term) Blocking Peptide - References**

Kim, S.C., et al. Mol. Cell 23(4):607-618(2006) Beck, H.C., et al. Mol. Cell Proteomics 5(7):1314-1325(2006) Pavri, R., et al. Cell 125(4):703-717(2006) Bonenfant, D., et al. Mol. Cell Proteomics 5(3):541-552(2006) Siuti, N., et al. J. Proteome Res. 5(2):233-239(2006)