

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) Blocking Peptide

Synthetic peptide

Catalog # BP18559c

Specification

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) Blocking Peptide - Product Information

Primary Accession

[Q93079](#)**HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 8345

Other Names

Histone H2B type 1-H, Histone H2Bj, H2B/j, HIST1H2BH, H2BFJ

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.

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) Blocking Peptide - Protein InformationName H2BC9 ([HGNC:4755](#))**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.

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) Blocking Peptide - Images

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) Blocking Peptide - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H2B family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6. [provided by RefSeq].

HIST1H2BH/HIST1H2BK/HIST3H2BB Antibody (Center) 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)