

HIST2H3A Antibody(C-term) Blocking peptide
Synthetic peptide
Catalog # BP19659b**Specification**

HIST2H3A Antibody(C-term) Blocking peptide - Product InformationPrimary Accession [Q71DI3](#)**HIST2H3A Antibody(C-term) Blocking peptide - Additional Information****Gene ID** 126961;333932;653604**Other Names**

Histone H32, Histone H3/m, Histone H3/o, HIST2H3A

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.

HIST2H3A Antibody(C-term) Blocking peptide - Protein Information**Name** H3C15 ([HGNC:20505](#))**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.

HIST2H3A Antibody(C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HIST2H3A Antibody(C-term) Blocking peptide - Images

HIST2H3A Antibody(C-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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the telomeric copy. [provided by RefSeq].

HIST2H3A Antibody(C-term) Blocking peptide - References

Neumann, H., et al. Mol. Cell 36(1):153-163(2009) Hurd, P.J., et al. J. Biol. Chem. 284(24):16575-16583(2009) Yuan, J., et al. Cell Cycle 8(11):1747-1753(2009) Chang, Q., et al. J. Hepatol. 50(2):323-333(2009) Kobza, K., et al. BMB Rep 41(4):310-315(2008)