

HIST3H3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12225c**Specification**

HIST3H3 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q16695](#)**HIST3H3 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 8290**Other Names**

Histone H31t, H3/t, H3t, H3/g, HIST3H3, H3FT

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.

HIST3H3 Antibody (Center) Blocking peptide - Protein Information**Name** H3-4 ([HGNC:4778](#))**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.

Tissue Location

Expressed in testicular cells.

HIST3H3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HIST3H3 Antibody (Center) Blocking peptide - Images

HIST3H3 Antibody (Center) 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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq].

HIST3H3 Antibody (Center) Blocking peptide - References

Tachiwana, H., et al. Proc. Natl. Acad. Sci. U.S.A. 107(23):10454-10459(2010) Nair, S.S., et al. EMBO Rep. 11(6):438-444(2010) Rampakakis, E., et al. J. Cell. Biochem. 108(2):400-407(2009) Mochizuki, K., et al. Biochem. Biophys. Res. Commun. 371(2):324-327(2008) Meyer, K.D., et al. EMBO J. 27(10):1447-1457(2008)