

HIST1H1D Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13745c**Specification**

HIST1H1D Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P16402](#)**HIST1H1D Antibody (Center) Blocking peptide - Additional Information****Gene ID** 3007**Other Names**

Histone H13, Histone H1c, Histone H1s-2, HIST1H1D, H1F3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13745c was selected from the Center region of HIST1H1D. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

HIST1H1D Antibody (Center) Blocking peptide - Protein Information**Name** H1-3 ([HGNC:4717](#))**Function**

Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity).

Cellular Location

Nucleus. Chromosome. Note=According to PubMed:15911621 more commonly found in euchromatin. According to PubMed:10997781 is associated with inactive chromatin

HIST1H1D Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HIST1H1D Antibody (Center) Blocking peptide - Images

HIST1H1D Antibody (Center) Blocking peptide - Background

Histones are basic nuclear proteins responsible for 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 H1 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.

HIST1H1D Antibody (Center) Blocking peptide - References

Kim, J.J., et al. J. Hum. Genet. 55(1):27-31(2010) Soranzo, N., et al. PLoS Genet. 5 (4), E1000445 (2009) :Sovio, U., et al. PLoS Genet. 5 (3), E1000409 (2009) :Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008) Lettre, G., et al. Nat. Genet. 40(5):584-591(2008)