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HIST1H1E Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP13710a

Specification

HIST1H1E Antibody (N-term) Blocking peptide - Product Information

Primary Accession P10412

HIST1H1E Antibody (N-term) Blocking peptide - Additional Information

Gene ID 3008

Other Names
Histone H14, Histone H1b, Histone H1s-4, HIST1H1E, H1F4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13710a was selected from the N-term region of HIST1H1E. 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.

HIST1H1E Antibody (N-term) Blocking peptide - Protein Information

Name H1-4 (HGNC:4718)

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=Mainly localizes in heterochromatin. Dysplays a punctuate staining pattern in the nucleus

HIST1H1E Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

HIST1H1E Antibody (N-term) Blocking peptide - Images

HIST1H1E Antibody (N-term) Blocking peptide - Background

Histones are basic nuclear proteins responsible fornucleosome structure of the chromosomal fiber in eukaryotes. Twomolecules of each of the four core histones (H2A, H2B, H3, and H4)form an octamer, around which approximately 146 bp of DNA iswrapped in repeating units, called nucleosomes. The linker histone,H1, interacts with linker DNA between nucleosomes and functions inthe compaction of chromatin into higher order structures. This geneis intronless and encodes a member of the histone H1 family.Transcripts from this gene lack polyA tails but instead contain apalindromic termination element. This gene is found in the largehistone gene cluster on chromosome 6.

HIST1H1E Antibody (N-term) Blocking peptide - References

Trojer, P., et al. J. Biol. Chem. 284(13):8395-8405(2009)Lee, C.Z., et al. Virology 375(1):197-204(2008)Trojer, P., et al. Cell 129(5):915-928(2007)Wu, C., et al. Proteomics 7(11):1775-1785(2007)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)