

HIST1H1E Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13710a**Specification**

HIST1H1E Antibody (N-term) - Product Information

| | |
|-------------------|--|
| Application | WB, IHC-P,E |
| Primary Accession | P10412 |
| Other Accession | P02252 , NP_005312.1 |
| Reactivity | Human |
| Predicted | Rabbit |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 21865 |
| Antigen Region | 1-30 |

HIST1H1E Antibody (N-term) - Additional Information**Gene ID** 3008**Other Names**

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

Target/Specificity

This HIST1H1E antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIST1H1E.

Dilution

WB~~1:1000

IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HIST1H1E Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST1H1E Antibody (N-term) - 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

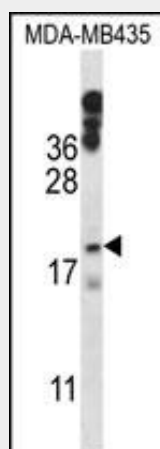
Nucleus. Chromosome. Note=Mainly localizes in heterochromatin. Displays a punctuate staining pattern in the nucleus

HIST1H1E Antibody (N-term) - Protocols

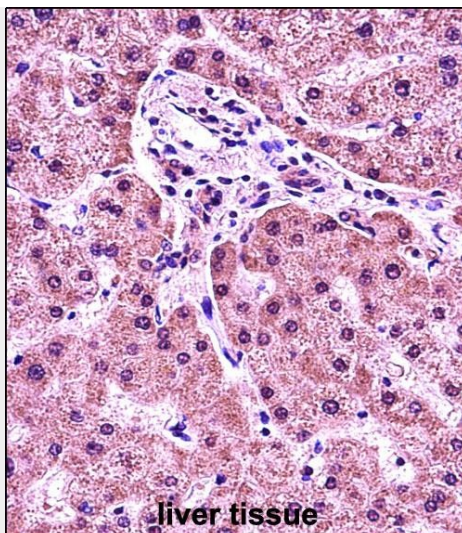
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HIST1H1E Antibody (N-term) - Images



HIST1H1E Antibody (N-term) (Cat. #AP13710a) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the HIST1H1E antibody detected the HIST1H1E protein (arrow).



H1ST1H1E Antibody (N-term) (Cat. #AP13710a) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of H1ST1H1E Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

H1ST1H1E Antibody (N-term) - 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.

H1ST1H1E Antibody (N-term) - 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)