# HIST1H1E Antibody (N-Term) Blocking Peptide

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | HIST1H1E, Blocking Peptide |
| **Full Product Name** | HIST1H1E Antibody (N-term) Blocking peptide |
| **Product Gene Name** | HIST1H1E blocking peptide |
| **Product Synonym Gene Name** | H1F4 |
| **Product Synonym Names** | Histone H14; Histone H1b; Histone H1s-4; HIST1H1E; H1F4 |
| **Form/Format** | Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml. |
| **Specificity** | The synthetic peptide sequence used to generate the antibody 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. |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C. |
| **Antibody/Peptide Pairs** | HIST1H1E peptide (MBS9220127) is used for blocking the activity of HIST1H1E antibody (MBS9213759) |
| **Molecular Weight** | 21,865 Da |
| **OMIM** | 142220 |
| **Cellular Location** | Nucleus. Chromosome. Note: Mainly localizes in heterochromatin. Dysplays a punctuate staining pattern in the nucleus |
| **Related Product Information for HIST1H1E blocking peptide** | 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). |
| **Other Notes** | Small volumes of HIST1H1E blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for HIST1H1E purchase** | MBS9220127 is a blocking peptide targeting HIST1H1E. Also known as HIST1H1E Antibody (N-term) Blocking peptide. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HIST1H1E. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 121919 |
| **NCBI GeneID** | 3008 |
| **NCBI Accession #** | P10412.2 |
| **UniProt Primary Accession #** | P10412 |
| **UniProt Secondary Accession #** | Q4VB25 |
| **UniProt Related Accession #** | P10412 |
| **NCBI Official Full Name** | Histone H1.4 |
| **NCBI Official Synonym Full Names** | histone cluster 1, H1e |

| | |
|---|---|
| **NCBI Official Symbol** | HIST1H1E |
| **NCBI Official Synonym Symbols** | H1E; H1.4; H1F4; H1s-4; dJ221C16.5 |
| **UniProt Protein Name** | Histone H1.4 |
| **UniProt Synonym Protein Names** | Histone H1b; Histone H1s-4 |
| **Protein Family** | Histone |
| **UniProt Gene Name** | HIST1H1E |
| **UniProt Synonym Gene Names** | H1F4 |
| **UniProt Entry Name** | H14_HUMAN |
| **NCBI Protein Information** | histone H1.4 |
| **NCBI Summary for HIST1H1E** | 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 replication-dependent histone that is 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. [provided by RefSeq, Aug 2015] |
| **UniProt Comments for HIST1H1E** | H1E: 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. Belongs to the histone H1/H5 family.<br><br>Protein type: DNA-binding<br><br>Chromosomal Location of Human Ortholog: 6p21.3<br><br>Cellular Component: nuclear heterochromatin; nucleus<br><br>Molecular Function: chromatin DNA binding; protein binding |
| **Research Articles on HIST1H1E** | **1.** This study identified and confirmed HIST1H1E protein changes within the postsynaptic density in schizophrenia. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/hist1h1e/9220127