Hist1h2ah Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	HIST1H2AH, Blocking Peptide
Full Product Name	HIST1H2AH Antibody (N-term) Blocking Peptide
Product Gene Name	HIST1H2AH blocking peptide
Product Synonym Gene Name	HIST1H2AI
Product Synonym Names	Histone H2A type 1-H; Histone H2A/s; HIST1H2AH; HIST1H2AI
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 human HIST1H2AH. 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	HIST1H2AH peptide (MBS9227867) is used for blocking the activity of HIST1H2AH antibody (MBS9207636)
Molecular Weight	13,906 Da
OMIM	615013
Cellular Location	Nucleus. Chromosome.
Related Product Information for HIST1H2AH blocking peptide	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.
Other Notes	Small volumes of HIST1H2AH 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 HIST1H2AH purchase	MBS9227867 is a blocking peptide targeting HIST1H2AH. Also known as HIST1H2AH Antibody (N-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HIST1H2AH. It may not necessarily be applicable to this product.

NCBI GI #	18105045
NCBI GeneID	85235
NCBI Accession #	NP_542163
UniProt Primary Accession #	Q96KK5
UniProt Related Accession #	Q96KK5
GenBank Nucleotide #	NM_080596.2
NCBI Official Full Name	histone H2A type 1-H
NCBI Official Synonym Full Names	histone cluster 1, H2ah

NCBI Official Symbol	HIST1H2AH
NCBI Official Synonym Symbols	H2AH; H2A/S; H2AFALii; dJ86C11.1
UniProt Protein Name	Histone H2A type 1-H
UniProt Synonym Protein Names	Histone H2A/s
Protein Family	Histone
UniProt Gene Name	HIST1H2AH
UniProt Synonym Gene Names	HIST1H2AI
UniProt Entry Name	H2A1H_HUMAN
NCBI Protein Information	histone H2A type 1-H
NCBI Summary for HIST1H2AH	Histones are basic nuclear proteins that are responsible for the 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 H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq, Aug 2015]
UniProt Comments for HIST1H2AH	HIST1H2AH: 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. Belongs to the histone H2A family. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 6p21.33 Cellular Component: nuclear chromatin Molecular Function: DNA binding Biological Process: chromatin silencing
Research Articles on HIST1H2AH	**1.** Protein phosphatase 2C gamma binds to/dephosphorylates H2A to affect chromatin function.
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.
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