10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HIST1H2AC Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP5566b

Specification

HIST1H2AC Antibody (C-term) Blocking peptide - Product Information

Primary Accession	Q93077
Other Accession	NP_003503.1

HIST1H2AC Antibody (C-term) Blocking peptide - Additional Information

Gene ID 8334

Other Names
Histone H2A type 1-C, Histone H2A/l, HIST1H2AC, H2AFL

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.

HIST1H2AC Antibody (C-term) Blocking peptide - Protein Information

Name H2AC6 (HGNC:4733)

Function
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.

Cellular Location
Nucleus. Chromosome.

HIST1H2AC Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

HIST1H2AC Antibody (C-term) Blocking peptide - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HIST1H2AC Antibody (C-term) Blocking peptide - Background

Histones are basic nuclear proteins that are responsiblefor the nucleosome structure of the chromosomal fiber ineukaryotes. Two molecules of each of the four core histones (H2A,H2B, H3, and H4) form an octamer, around which approximately 146 bpof DNA is wrapped in repeating units, called nucleosomes. Thelinker histone, H1, interacts with linker DNA between nucleosomesand functions in the compaction of chromatin into higher orderstructures. This gene is intronless and encodes a member of thehistone H2A family. Transcripts from this gene lack polyA tails butinstead contain a palindromic termination element. This gene isfound in the large histone gene cluster on chromosome 6. [providedby RefSeq].

HIST1H2AC Antibody (C-term) Blocking peptide - References

Deng, L., et al. Virology 277(2):278-295(2000)El Kharroubi, A., et al. Mol. Cell. Biol. 18(5):2535-2544(1998)Albig, W., et al. Hum. Genet. 101(3):284-294(1997)Ruddy, D.A., et al. Genome Res. 7(5):441-456(1997)Albig, W., et al. Genomics 40(2):314-322(1997)