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HIST2H2AB Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP13703a

Specification

HIST2H2AB Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q8IUE6

HIST2H2AB Antibody (N-term) Blocking peptide - Additional Information

Gene ID 317772

Other Names
Histone H2A type 2-B, HIST2H2AB

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13703a was selected from the N-term region of HIST2H2AB. 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.

HIST2H2AB Antibody (N-term) Blocking peptide - Protein Information

Name H2AC21 (HGNC:20508)

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.

HIST2H2AB Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

HIST2H2AB Antibody (N-term) Blocking peptide - Images

HIST2H2AB Antibody (N-term) Blocking peptide - Background

Histones are basic nuclear proteins that are responsiblefor the nucleosome structure of the chromosomal fiber ineukaryotes. Nucleosomes consist of approximately 146 bp of DNAwrapped around a histone octamer composed of pairs of each of thefour core histones (H2A, H2B, H3, and H4). The chromatin fiber isfurther compacted through the interaction of a linker histone, H1,with the DNA between the nucleosomes to form higher order chromatinstructures. This gene is intronless and encodes a member of thehistone H2A family. Transcripts from this gene contain apalindromic termination element.

HIST2H2AB Antibody (N-term) Blocking peptide - References

Bergink, S., et al. Genes Dev. 20(10):1343-1352(2006)Cao, R., et al. Mol. Cell 20(6):845-854(2005)Hagiwara, T., et al. Biochemistry 44(15):5827-5834(2005)Wang, H., et al. Nature 431(7010):873-878(2004)Aihara, H., et al. Genes Dev. 18(8):877-888(2004)