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H2AFJ Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP5572a

Specification

H2AFJ Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q9BTM1
Other Accession	NP_808760.1

H2AFJ Antibody (N-term) Blocking peptide - Additional Information

Gene ID 55766

Other Names
Histone H2AJ, H2a/j, H2AFJ

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.

H2AFJ Antibody (N-term) Blocking peptide - Protein Information

Name H2AJ (HGNC:14456)

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.

H2AFJ Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

H2AFJ Antibody (N-term) Blocking peptide - Images

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H2AFJ 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.

H2AFJ Antibody (N-term) Blocking peptide - References

Yao, J., et al. Cancer Res. 66(8):4065-4078(2006)de Wit, N.J., et al. Br. J. Cancer 92(12):2249-2261(2005)Chadwick, B.P., et al. Hum. Mol. Genet. 10(10):1101-1113(2001)