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H2AFV Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP5770a

Specification

H2AFV Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q71UI9
Other Accession	NP_036544.1

H2AFV Antibody (N-term) Blocking peptide - Additional Information

Gene ID 94239

Other Names
Histone H2AV, H2AF/Z, H2AFV, H2AV

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.

H2AFV Antibody (N-term) Blocking peptide - Protein Information

Name H2AZ2 (HGNC:20664)

Function
Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. 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. May be involved in the formation of constitutive heterochromatin. May be required for chromosome segregation during cell division (By similarity).

Cellular Location
Nucleus. Chromosome.

H2AFV Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

H2AFV Antibody (N-term) Blocking peptide - Images

H2AFV 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 encodes a member of the histone H2A family.Several transcript variants encoding different isoforms, have beenidentified for this gene.

H2AFV Antibody (N-term) Blocking peptide - References

Kim, S.C., et al. Mol. Cell 23(4):607-618(2006)Boyne, M.T. II, et al. J. Proteome Res. 5(2):248-253(2006)Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)Lusic, M., et al. EMBO J. 22(24):6550-6561(2003)Deng, L., et al. Virology 289(2):312-326(2001)Deng, L., et al. Virology 277(2):278-295(2000)El Kharroubi, A., et al. Mol. Cell. Biol. 18(5):2535-2544(1998)