10320 Camino Santa Fe, Suite G
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H4G Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP4903a

Specification

H4G Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q99525

H4G Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 8369

Other Names
Histone H4-like protein type G, HIST1H4G, H4/L, H4FL

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.

H4G Antibody (N-term) Blocking Peptide - Protein Information

Name H4C7 (HGNC:4792)

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 (By similarity).

Cellular Location
Nucleus. Chromosome.

H4G Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

H4G Antibody (N-term) Blocking Peptide - Images

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H4G Antibody (N-term) Blocking Peptide - Background

H4G is 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 protein is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element.

H4G Antibody (N-term) Blocking Peptide - References

Lusic, M., et al. EMBO J. 22(24):6550-6561(2003)Marzluff, W.F., et al. Genomics 80(5):487-498(2002)Deng, L., et al. Virology 289(2):312-326(2001)