

HMGN1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14219a**Specification**

HMGN1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P05114](#)

HMGN1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 3150

Other Names

Non-histone chromosomal protein HMG-14, High mobility group nucleosome-binding domain-containing protein 1, HMGN1, HMG14

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.

HMGN1 Antibody (N-term) Blocking Peptide - Protein Information

Name HMGN1

Synonyms HMG14

Function

Binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. May be involved in the process which maintains transcribable genes in a unique chromatin conformation. Inhibits the phosphorylation of nucleosomal histones H3 and H2A by RPS6KA5/MSK1 and RPS6KA3/RSK2 (By similarity).

Cellular Location

Nucleus. Cytoplasm. Note=Cytoplasmic enrichment upon phosphorylation. The RNA edited version localizes to the nucleus

HMGN1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HMGN1 Antibody (N-term) Blocking Peptide - Images

HMGN1 Antibody (N-term) Blocking Peptide - Background

Chromosomal protein HMG14 and its close analog HMG17 (MIM163910) bind to the inner side of the nucleosomal DNA, potentially altering the interaction between the DNA and the histone octamer. The 2 proteins may be involved in the process that maintains transcribable genes in a unique chromatin conformation. Their ubiquitous distribution and relative abundance, as well as the high evolutionary conservation of the DNA-binding domain of the HMG14 family of proteins, suggest that they may be involved in an important cellular function.

HMGN1 Antibody (N-term) Blocking Peptide - References

Rattner, B.P., et al. Mol. Cell 34(5):620-626(2009) Cherukuri, S., et al. Mol. Biol. Cell 19(5):1816-1824(2008) Zhu, N., et al. Mol. Cell. Biol. 27(24):8859-8873(2007) Jiang, X.G., et al. Biochem. Biophys. Res. Commun. 345(4):1497-1503(2006) Hu, Y.H., et al. BMC Genomics 7, 155 (2006) :