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NASP Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP4911a

Specification

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

Primary Accession P49321

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

Gene ID 4678

Other Names
Nuclear autoantigenic sperm protein, NASP, NASP

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.

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

Name NASP

Function
Required for DNA replication, normal cell cycle progression and cell proliferation. Forms a cytoplasmic complex with HSP90 and H1 linker histones and stimulates HSP90 ATPase activity. NASP and H1 histone are subsequently released from the complex and translocate to the nucleus where the histone is released for binding to DNA.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q99MD9}. Nucleus {ECO:0000250|UniProtKB:Q99MD9}

Tissue Location
Isoform 1 is testis- and sperm-specific.

NASP Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

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NASP Antibody (N-term) Blocking peptide - Images

NASP Antibody (N-term) Blocking peptide - Background

NASP encodes a H1 histone binding protein that is involved in transporting histones into the nucleus of dividing cells. Multiple isoforms are encoded by transcript variants of this gene. The somatic form is expressed in all mitotic cells, is localized to the nucleus, and is coupled to the cell cycle. The testicular form is expressed in embryonic tissues, tumor cells, and the testis. In male germ cells, this protein is localized to the cytoplasm of primary spermatocytes, the nucleus of spermatids, and the periacrosomal region of mature spermatozoa.

NASP Antibody (N-term) Blocking peptide - References

Alekseev, O.M., et al. Reprod. Biol. Endocrinol. 7, 45 (2009) Wang, H., et al. Nucleic Acids Res. 36(18):5763-5772(2008)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)