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SYCP3 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20774a

Specification

SYCP3 Blocking Peptide (N-term) - Product Information

Primary Accession Q8IZU3

SYCP3 Blocking Peptide (N-term) - Additional Information

Gene ID 50511

Other Names
Synaptonemal complex protein 3, SCP-3, SYCP3, SCP3

Target/Specificity
The synthetic peptide sequence is selected from aa 13-26 of HUMAN SYCP3

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.

SYCP3 Blocking Peptide (N-term) - Protein Information

Name SYCP3

Synonyms SCP3

Function
Component of the synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase. Required for centromere pairing during meiosis in male germ cells (By similarity). Required for normal meiosis during spermatogenesis and male fertility (PubMed:14643120). Plays a lesser role in female fertility. Required for efficient phosphorylation of HORMAD1 and HORMAD2 (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q60547}. Chromosome {ECO:0000250|UniProtKB:Q60547}. Chromosome, centromere {ECO:0000250|UniProtKB:Q60547}. Note=It is present in early unpaired cores, in the lateral domains of the synaptonemal complex and in the chromosome cores when they separate at diplotene. It is found axial to the metaphase I chromosomes and in association with pairs of sister centromeres. The centromere-associated protein becomes dissociated from the

centromeres at anaphase II and is not found in mitotic metaphase centromeres. {ECO:0000250|UniProtKB:Q60547}

Tissue Location
Testis-specific.

SYCP3 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

SYCP3 Blocking Peptide (N-term) - Images

SYCP3 Blocking Peptide (N-term) - Background

Component of the transverse filaments of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase. Has an essential meiotic function in spermatogenesis. May be important for testis development. Required for efficient phosphorylation of HORMAD1 and HORMAD2 (By similarity).

SYCP3 Blocking Peptide (N-term) - References

Martinez-Garay I.,et al.Genomics 80:259-267(2002).
Adamah D.J.B.,et al.Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
Miyamoto T.,et al.Lancet 362:1714-1719(2003).