

SYCP2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18626b**Specification**

SYCP2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9BX26](#)**SYCP2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10388**Other Names**

Synaptonemal complex protein 2, SCP-2, Synaptonemal complex lateral element protein, hsSCP2, SYCP2, SCP2

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.

SYCP2 Antibody (C-term) Blocking Peptide - Protein Information**Name** SYCP2**Synonyms** SCP2**Function**

Major component of the axial/lateral elements of synaptonemal complexes (SCS) during meiotic prophase. Plays a role in the assembly of synaptonemal complexes. Required for normal meiotic chromosome synapsis during oocyte and spermatocyte development and for normal male and female fertility. Required for insertion of SYCP3 into synaptonemal complexes. May be involved in the organization of chromatin by temporarily binding to DNA scaffold attachment regions. Requires SYCP3, but not SYCP1, in order to be incorporated into the axial/lateral elements.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q9CUU3}. Chromosome {ECO:0000250|UniProtKB:Q9CUU3}. Note=In axial/lateral elements of the tripartite segments of synaptonemal complexes {ECO:0000250|UniProtKB:Q9CUU3}

SYCP2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SYCP2 Antibody (C-term) Blocking Peptide - Images

SYCP2 Antibody (C-term) Blocking Peptide - Background

The synaptonemal complex is a proteinaceous structure that links homologous chromosomes during the prophase of meiosis. The protein encoded by this gene is a major component of the synaptonemal complex and may bind DNA at scaffold attachment regions. The encoded protein requires synaptonemal complex protein 3, but not 1, for inclusion in the synaptonemal complex. [provided by RefSeq].

SYCP2 Antibody (C-term) Blocking Peptide - References

Aston, K.I., et al. Hum. Reprod. 25(6):1383-1397(2010) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Deloukas, P., et al. Nature 414(6866):865-871(2001) Schalk, J.A., et al. Mamm. Genome 10(6):642-644(1999) Offenberg, H.H., et al. Nucleic Acids Res. 26(11):2572-2579(1998)