

SYCP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17271b**Specification**

SYCP1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q15431](#)**SYCP1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6847**Other Names**

Synaptonemal complex protein 1, SCP-1, Cancer/testis antigen 8, CT8, SYCP1, SCP1

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.

SYCP1 Antibody (C-term) Blocking Peptide - Protein Information**Name** SYCP1 {ECO:0000303|PubMed:29915389, ECO:0000312|HGNC:HGNC:11487}**Function**

Major component of the transverse filaments of synaptonemal complexes, formed between homologous chromosomes during meiotic prophase. Required for normal assembly of the central element of the synaptonemal complexes. Required for normal centromere pairing during meiosis. Required for normal meiotic chromosome synapsis during oocyte and spermatocyte development and for normal male and female fertility.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q62209}. Chromosome {ECO:0000250|UniProtKB:Q62209}. Chromosome, centromere {ECO:0000250|UniProtKB:Q62209}. Note=In tripartite segments of synaptonemal complexes, between lateral elements in the nucleus. Its N- terminus is found towards the center of the synaptonemal complex while the C-terminus extends well into the lateral domain of the synaptonemal complex (By similarity). Only rarely detected at centromeres during leptotene and zygotene. Detected at centromeres during mid-diplotene, when it is no longer present along chromosome arms. No longer detected at centromeres at later stages of meiosis (By similarity) {ECO:0000250|UniProtKB:Q03410, ECO:0000250|UniProtKB:Q62209}

Tissue Location

Testis..

SYCP1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SYCP1 Antibody (C-term) Blocking Peptide - Images

SYCP1 Antibody (C-term) Blocking Peptide - Background

Major component of the transverse filaments of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase.

SYCP1 Antibody (C-term) Blocking Peptide - References

Aston, K.I., et al. Hum. Reprod. 25(6):1383-1397(2010) Rikova, K., et al. Cell 131(6):1190-1203(2007) Neumann, F., et al. Blood 106(9):3105-3113(2005) Costa, Y., et al. J. Cell. Sci. 118 (PT 12), 2755-2762 (2005) :Eichmuller, S., et al. Proc. Natl. Acad. Sci. U.S.A. 98(2):629-634(2001)