

Anti-SCP3/SYCP3 Antibody (Monoclonal, 32S68)

Catalog Number: M05718-2

About SYCP3

SYCP3, also known as COR1 or SCP3, is a protein that in humans is encoded by the SYCP3 gene. It is mapped to 12q23.2. This gene encodes an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. Mutations in this gene are associated with azoospermia in males and susceptibility to pregnancy loss in females. Alternate splicing results in multiple transcript variants that encode the same protein. SYCP3 has an essential meiotic function in human spermatogenesis that is compromised by the mutant protein by dominant-negative interference. SYCP3 is linked to inherited aneuploidy in female germ cells and provides a model system for studying age-dependent degeneration in oocytes.

Overview

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| Product Name | Anti-SCP3/SYCP3 Antibody (Monoclonal, 32S68) |
| Reactive Species | Human |
| Description | Boster Bio Anti-SCP3/SYCP3 Antibody (Monoclonal, 32S68) catalog # M05718-2. Tested in WB, IHC applications. This antibody reacts with Human. |
| Application | IHC, WB |
| Clonality | Monoclonal 32S68 |
| Formulation | Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | Q8IZU3 |

Technical Details

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| Immunogen | Recombinant protein within human SCP3 aa 37-234. |
| Form | Liquid |
| Concentration | 500 ug/ml |
| Purification | Protein A affinity purified. |

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200

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For Research Use Only. Not for use in diagnostic procedures.