

**Product Name: SCP-3 Rabbit Polyclonal Antibody**  
**Catalog #: APRab17667**



## Summary

|                        |                                  |
|------------------------|----------------------------------|
| <b>Production Name</b> | SCP-3 Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody       |
| <b>Host</b>            | Rabbit                           |
| <b>Application</b>     | WB,ELISA,IHC-P                   |
| <b>Reactivity</b>      | Human,Mouse                      |

## Performance

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                      |
| <b>Modification</b> | Unmodified                                                                                        |
| <b>Isotype</b>      | IgG                                                                                               |
| <b>Clonality</b>    | Polyclonal                                                                                        |
| <b>Form</b>         | Liquid                                                                                            |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| <b>Purification</b> | Affinity purification                                                                             |

## Immunogen

|                          |                                                                              |
|--------------------------|------------------------------------------------------------------------------|
| <b>Gene Name</b>         | SYCP3                                                                        |
| <b>Alternative Names</b> | SYCP3; SCP3; Synaptonemal complex protein 3; SCP-3                           |
| <b>Gene ID</b>           | 50511.0                                                                      |
| <b>SwissProt ID</b>      | Q8IZU3. Synthesized peptide derived from the Internal region of human SCP-3. |

## Application

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-2000, IHC-P 1:50-300, ELISA 2000-20000 |
| <b>Molecular Weight</b> | 27kDa                                           |

## Background

This gene encodes an essential structural component of the synaptonemal complex. This complex is involved in synapsis,

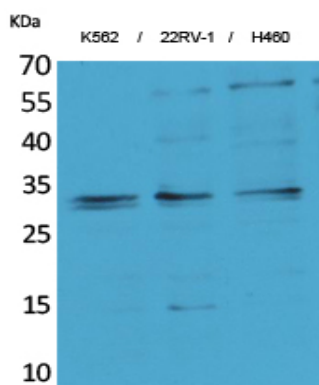
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recombination and segregation of meiotic chromosomes. Mutations in this gene are associated with azoospermia in males and susceptibility to pregnancy loss in females. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, May 2010],disease:Defects in SYCP3 are associated with azoospermia due to perturbations of meiosis [MIM:270960].,function: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.,similarity:Belongs to the XLR/SYCP3 family.,subcellular location:In tripartite segments of synaptonemal complexes, irrespective of whether these are synapsed or unsynapsed.,subunit:Interacts with SYCP2.,tissue specificity:Testis-specific.,

## Research Area

## Image Data



Western Blot analysis of K562, 22RV-1, H460 cells using SCP-3 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .

## Note

For research use only.