

## Product datasheet

# Anti-SCP1 antibody ab15087

★★★★★ 2 Abreviews 19 References 2 Images

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-SCP1 antibody  |
| <b>Description</b>         | Rabbit polyclonal to SCP1                                   |
| <b>Tested applications</b> | <b>Suitable for:</b> ICC/IF, IHC-P, ICC                     |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Rat, Human, Pig, Common marmoset |
| <b>Immunogen</b>           | Synthetic peptide (Human) (C terminal).                     |

### Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | Preservative: 0.1% Sodium Azide<br>Constituents: Tris citrate/phosphate. pH 7-8                           |
| <b>Purity</b>               | Immunogen affinity purified   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

### Applications

Our [Abpromise guarantee](#) covers the use of **ab15087** in the following tested applications.

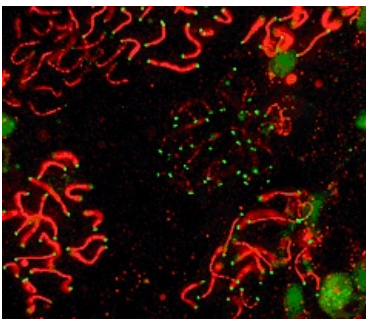
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes                                    |
|-------------|-----------|--|
| ICC/IF      |           | 1/300 - 1/750.                           |
| IHC-P       | ★★★★★     | 1/100.                                   |
| ICC         | ★★★★☆     | Use at an assay dependent concentration. |

### Target

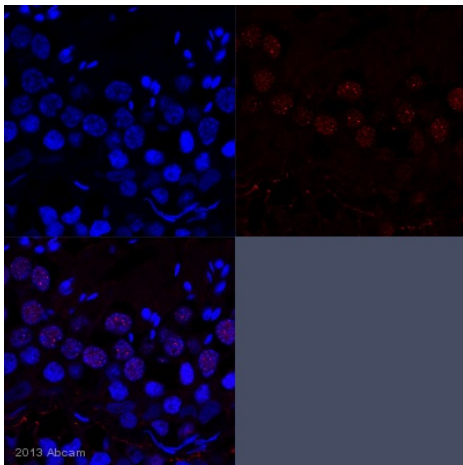
|                              |   |
|------------------------------|---|
| <b>Function</b>              | Major component of the transverse filaments of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase.   |
| <b>Tissue specificity</b>    | Testis.   |
| <b>Domain</b>                | Consists of an alpha-helical stretch of 700 AA residues, flanked by N- and C-terminal globular domains. The C-terminal domain has DNA-binding capacity.   |
| <b>Cellular localization</b> | Nucleus. Chromosome. In tripartite segments of synaptonemal complexes, between lateral elements in the nucleus. Found only where the chromosome cores are synapsed. 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. |

## Images



SCP1 labeled in mouse pachytene preparation (red), using ab15087. CDK2 staining, near telomeres, is also present (green).

Immunocytochemistry/ Immunofluorescence - Anti-SCP1 antibody (ab15087)



IHC-P image of SCP1 staining with ab15087 on tissue sections from adult marmoset testis. The sections were subjected to heat-mediated antigen retrieval using Dako antigen retrieval solution. The sections were then blocked with 5% milk for 30 minutes at 25°C, before incubation with ab15087 (1/100 dilution) for 18 hours at 4°C. The secondary was an Alexa-Fluor 555 conjugated goat anti-rabbit polyclonal, used at a 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCP1 antibody (ab15087)

This image is courtesy of an Abreview from Zachary Yu-Ching Lin.

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