


Anti-SCP3 antibody [Cor 10G11/7] ab97672

重组

★★★★★ [10 Abreviews](#) [144 References](#) [6 图像](#)

概述

产品名称	Anti-SCP3抗体[Cor 10G11/7]
描述	小鼠单克隆抗体[Cor 10G11/7] to SCP3
宿主	Mouse
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Mouse, Rat 预测可用于: Hamster, Zebrafish 
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Mouse and Rat testis tissue lysates. IHC-P: Mouse and Rat testis tissue sections.
常规说明	This product has switched from a hybridoma to recombinant production method on 26 September 2022. This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com . This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号	Cor 10G11/7
骨髓瘤	Sp2/0-Ag14
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab97672 于以下的经测试应用

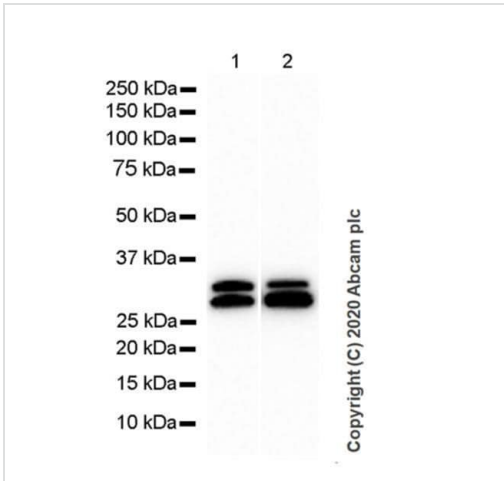
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (3)	1/4000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000. Predicted molecular weight: 28 kDa.

靶标

功能	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.
组织特异性	Testis-specific.
疾病相关	Defects in SYCP3 are a cause of azoospermia due to perturbations of meiosis (AZSPM) [MIM:270960]. AZSPM is a condition of having no sperm present in the ejaculate. Testicular histology shows arrest of spermatogenesis at the pachytene stage of primary spermatocytes.
序列相似性	Belongs to the XLR/SYCP3 family.
细胞定位	Nucleus. In tripartite segments of synaptonemal complexes, irrespective of whether these are synapsed or unsynapsed.

图片



Western blot - Anti-SCP3 antibody [Cor 10G11/7] (ab97672)

All lanes : Anti-SCP3 antibody [Cor 10G11/7] (ab97672) at 1/1000 dilution

Lane 1 : Rat testis tissue lysate

Lane 2 : Mouse testis tissue lysate

Lysates/proteins at 20 µg per lane.

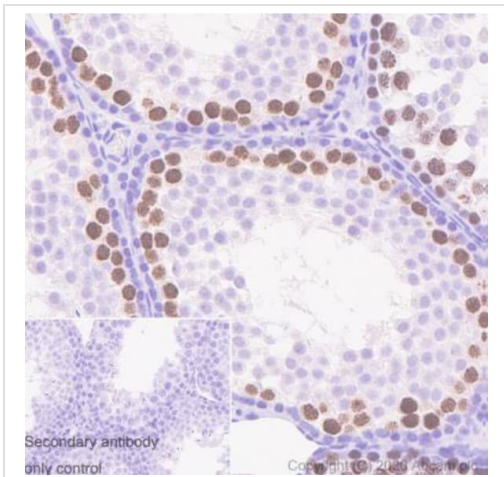
Developed using the ECL technique.

Predicted band size: 28 kDa

Observed band size: 27 kDa

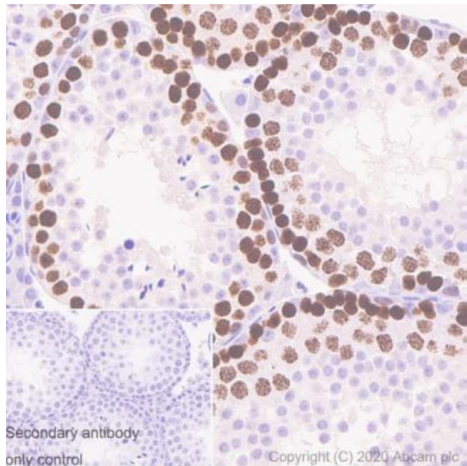
Exposure time: 20 seconds

Blocking and diluting buffer: 5% NFDm/TBST



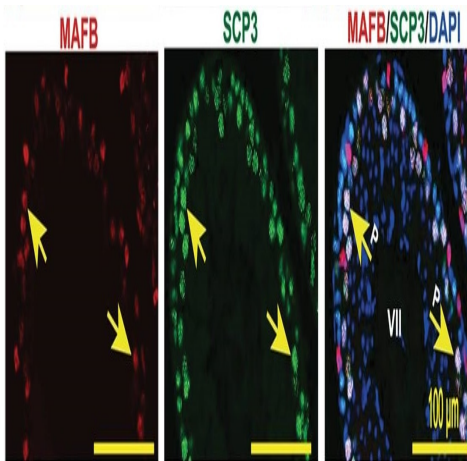
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCP3 antibody [Cor 10G11/7] (ab97672)

Immunohistochemical analysis of paraffin-embedded rat testis tissue labeling SCP3 with ab97672 at 1/4000 dilution followed by Leica DS9800 (Bond™ Polymer Refine Detection). The section was incubated with ab97672 for 30 mins at room temperature and blocking mouse IgG by specific antibody ([ab125913](#), 1:1000) for 8 mins. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCP3 antibody [Cor 10G11/7] (ab97672)

Immunohistochemical analysis of paraffin-embedded mouse testis tissue labeling SCP3 with ab97672 at 1/4000 dilution followed by Leica DS9800 (Bond™ Polymer Refine Detection). The section was incubated with ab97672 for 30 mins at room temperature and blocking mouse IgG by specific antibody (**ab125913**, 1:1000) for 8 mins. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.



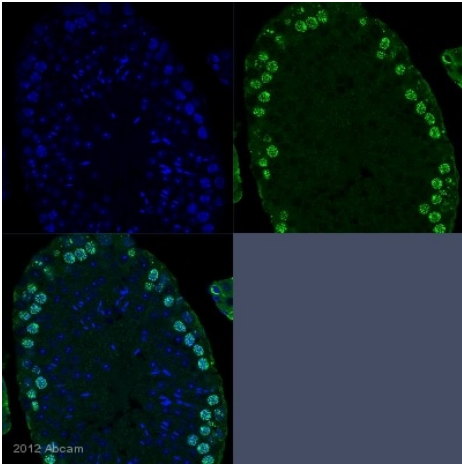
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCP3 antibody [Cor 10G11/7] (ab97672)

Shawki et al PLoS One. 2018 Jan 11;13(1):e0190800. doi: 10.1371/journal.pone.0190800. eCollection 2018. Fig 2. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

This image was generated from a previous batch made using the hybridoma production method.

Localization of MAFB in adult mouse testis.

Double immunostaining of MAFB with SCP3 (ab97672 at a 1/400 dilution, O/N +4°C). Nuclei were counterstained with DAPI. The color of each marker is indicated above the images. All seminiferous tubules shown represent stage VII. US; undifferentiated spermatogonia. DS; differentiated spermatogonia. P; pachytene spermatocytes. Sp; spermatids. S; Sertoli cells. L; Leydig cells. MAFB was specifically detected in Leydig cells, Sertoli cells, and pachytene spermatocytes.



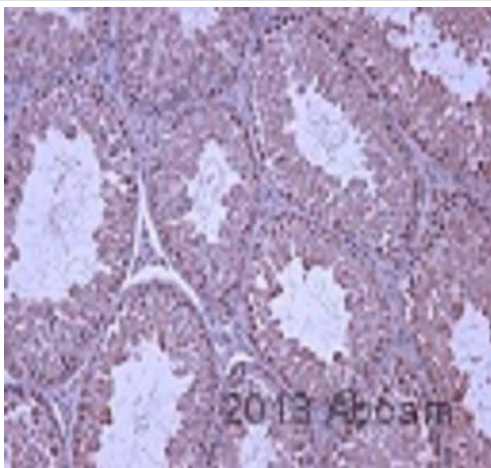
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCP3 antibody [Cor 10G11/7] (ab97672)

This image is courtesy of an abreview by Zachary Yu-Ching Lin.

This image was generated from a previous batch made using the hybridoma production method.

IHC-P image of SCP3 staining with ab97672 on tissue sections from adult mouse 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 ab97672 (1/200 dilution) for 16 hours at 4°C. The secondary was an Alexa-Fluor®488 conjugated goat anti-mouse polyclonal, used at a 1/500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCP3 antibody [Cor 10G11/7] (ab97672)

This image is courtesy of an Abreview submitted by Qin Wen

This image was generated from a previous batch made using the hybridoma production method.

ab97672 staining SCP3 in mouse adult testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections).

Tissue was fixed with 4% paraformaldehyde and blocked with 5% BSA for 60 minutes at 25°C; antigen retrieval was by heat mediation in a 0.01M citrate buffer. Samples were incubated with primary antibody (1/200 in 1% BSA) for 1 hour at 22°C. A Biotin-conjugated Goat anti-mouse IgG polyclonal (1/200) was used as the secondary antibody.

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