


Product datasheet

Anti-SCP3 antibody [Cor 10G11/7] - BSA and Azide free ab264093

Recombinant

3 Images

Overview

Product name	Anti-SCP3 antibody [Cor 10G11/7] - BSA and Azide free
Description	Mouse monoclonal [Cor 10G11/7] to SCP3 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Hamster, Zebrafish 
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse and Rat testis tissue lysates. IHC-P: Mouse and Rat testis tissue sections.
General notes	<p>ab264093 is the carrier-free version of ab97672.</p> <p>This product has switched from a hybridoma to recombinant production method on 26 September 2022.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets</p>

your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	Cor 10G11/7
Myeloma	Sp2/0-Ag14
Isotype	IgG1
Light chain type	kappa

Applications

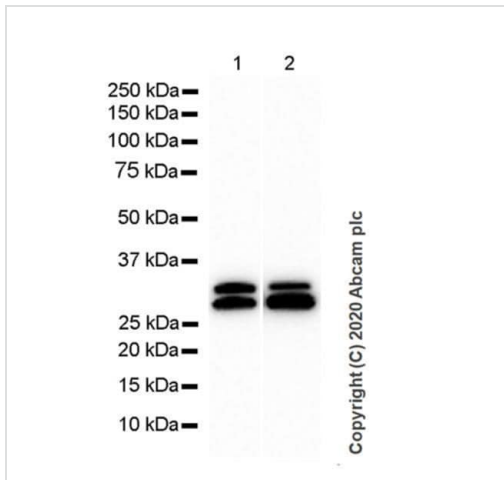
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab264093 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 28 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

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.
Tissue specificity	Testis-specific.
Involvement in disease	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.
Sequence similarities	Belongs to the XLR/SYCP3 family.
Cellular localization	Nucleus. In tripartite segments of synaptonemal complexes, irrespective of whether these are

Images



Western blot - Anti-SCP3 antibody [Cor 10G11/7] - BSA and Azide free (ab264093)

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

Lane 1 : Rat testis tissue lysate

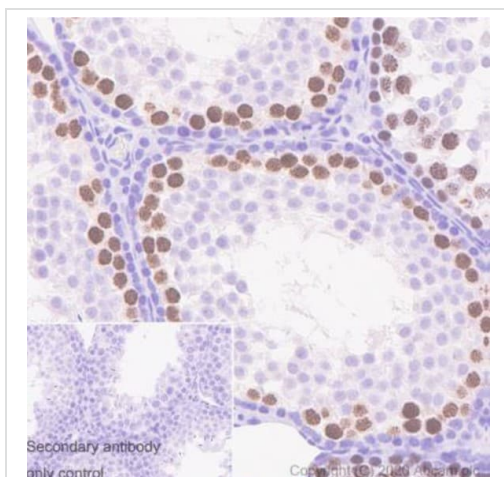
Lane 2 : Mouse testis tissue lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 28 kDa

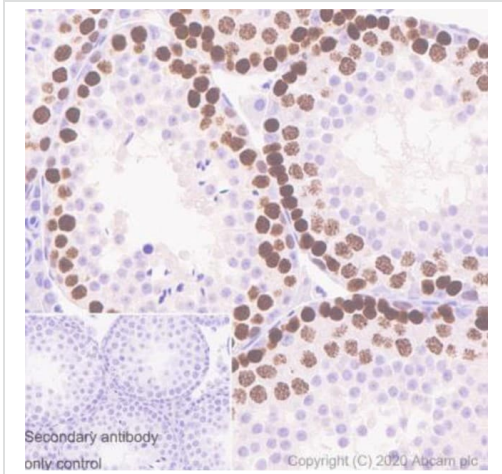
Observed band size: 27 kDa

Blocking and diluting buffer: 5% NFDm/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCP3 antibody [Cor 10G11/7] - BSA and Azide free (ab264093)

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.



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] - BSA and Azide free (ab264093)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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