

Product datasheet

Anti-Rhp51 antibody ab63799

[3 References](#) [2 Images](#)

Overview

Product name	Anti-Rhp51 antibody
Description	Rabbit polyclonal to Rhp51
Host species	Rabbit
Tested applications	Suitable for: WB, IP, ICC/IF
Species reactivity	Reacts with: Schizosaccharomyces pombe
Immunogen	Purified recombinant full length protein (Schizosaccharomyces pombe)
Positive control	Schizosaccharomyces pombe whole cell extracts.
General notes	<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 your needs before purchasing.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 6</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: Whole serum</p>
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab63799 in the following tested applications.

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

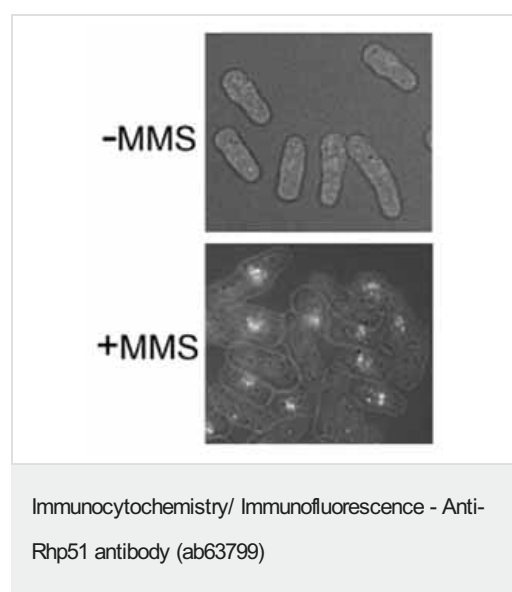
Application	Abreviews	Notes
WB		1/2000 - 1/5000. Detects a band of approximately 44 kDa (predicted molecular weight: 40 kDa).
IP		Use at an assay dependent concentration.
ICC/IF		1/500.

Target

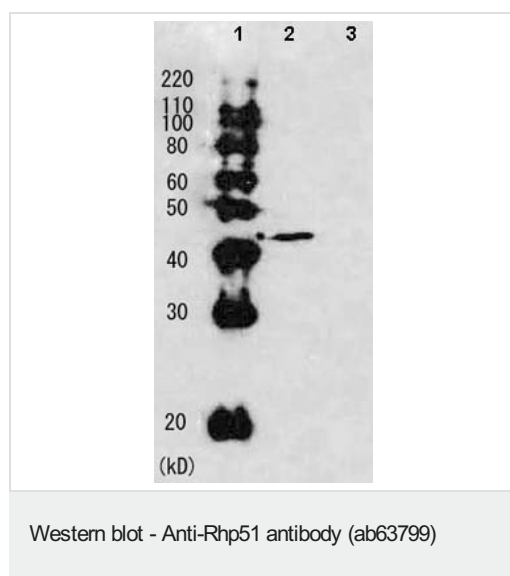
Relevance Rhp51 is required both for recombination and for the repair of DNA damage caused by X-rays. Binds to single and double stranded DNA, in the presence of magnesium, and exhibits DNA-dependent ATPase activity. Promotes DNA strand annealing and strand exchange via DNA recombinase activity and forms helical nucleoprotein filaments.

Cellular localization Nuclear

Images



ab63799 (1/500) staining Rhp51 in *S. pombe* cells without or with MMS (0.025%) treatment for 1 hour by ICC/IF (Immunocytochemistry/immunofluorescence).



All lanes : Anti-Rhp51 antibody (ab63799) at 1/2000 dilution

Lane 1 : Molecular weight markers

Lane 2 : Whole cell extract of *Schizosaccharomyces pombe* wild-type strain

Lane 3 : Whole cell extract of *Schizosaccharomyces pombe* Rad51 deletion strain

Predicted band size: 40 kDa

Observed band size: 44 kDa

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

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