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Product no AS21 4553

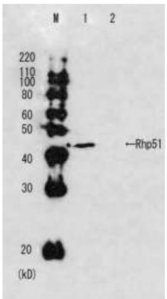
Anti-Rhp51 | DNA repair protein rhp51 (Saccharomyces pombe)

Product information

Immunogen	Purified, full-length, recombinant Rhp51 protein from *Saccharomyces pombe*, UniProt: P36601
Host	Rabbit
Clonality	Polyclonal
Purity	Serum. Contains 0.05% sodium azide.
Format	Liquid
Quantity	100 µl
Storage	Store at -20°C; make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	Assay dependent (ChIP), 1:500 (IF), 1: 100-1:500 (IP), 1 : 2000 - 1: 5000 (WB)
Expected | apparent MW	39.8 | 42 kDa
Confirmed reactivity	*Saccharomyces pombe*
Predicted reactivity	Species of your interest not listed? Contact us
Selected references	Akamatsu et al. (2007) Fission yeast Swi5/Sfr1 and Rhp55/Rhp57 differentially regulate Rhp51-dependent recombination outcomes. EMBO J. 2007 Mar 7;26(5):1352-62. doi: 10.1038/sj.emboj.7601582. Epub 2007 Feb 15. PMID: 17304215; PMCID: PMC1817630. Lambert et al. (2005). Gross chromosomal rearrangements and elevated recombination at an inducible site-specific replication fork barrier. Cell. 2005 Jun 3;121(5):689-702. doi: 10.1016/j.cell.2005.03.022. PMID: 15935756. (Immunoflourescence) Akamatsu et al. (2003) Two different Swi5-containing protein complexes are involved in mating-type switching and recombination repair in fission yeast. Proc Natl Acad Sci U S A. 2003 Dec 23;100(26):15770-5. doi: 10.1073/pnas.2632890100. Epub 2003 Dec 8. PMID: 14663140; PMCID: PMC307643. (Immunoprecipitation, Western Blot) Kibe et al. (2003). Fission yeast Rhp51 is required for the maintenance of telomere structure in the absence of the Ku heterodimer. Nucleic Acids Res. 2003 Sep 1;31(17):5054-63. doi: 10.1093/nar/gkg718. PMID: 12930956; PMCID: PMC212814. (ChIP)



Whole cell extract of *Saccharomyces pombe* **(1)** and Rhp51 deletion mutant **(2)** was separated on SDS-PAGE and blotted to a membrane using wet transfer. Primary antibody was incubated at 1: 2000, followed by washes and incubation with a secondary goat anti-rabbit IgG HRP conjugated antibodies, used at 1: 10 000 1h/RT. Reaction was developed using chemiluminescence following manufacture's recommendations.

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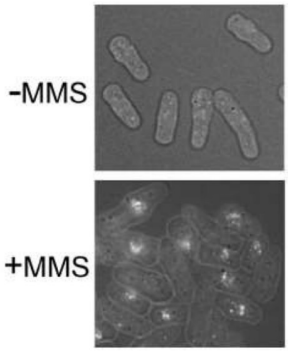

Saccharomyces pombe cells without (-MMS) and with (+MMS at 0.025 % treatment for 1 h) were subjected to immunofluorescent staining. Primary antibody was used at 1: 500 dilution.