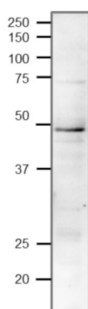


Product no **AS21 4549****RAD51 | DNA repair protein RAD51 (*Saccharomyces cerevisiae*) (ChIP grade)****Product information**

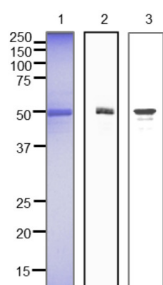
<b>Immunogen</b>	Purified, full length, recombinant and HIS tagged RAD51 protein from <i>Saccharomyces cerevisiae</i> , UniProt: <a href="#">P25454</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4. Contains 50 % glycerol, filter sterilized.
<b>Format</b>	Liquid
<b>Quantity</b>	100 µg
<b>Storage</b>	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.
<b>Additional information</b>	ChIP application is described in <a href="#">Ribeyre and Shore</a> 2012 while immunofluorescence is described in <a href="#">Muramoto</a> et al 218.

**Application information**

<b>Recommended dilution</b>	1: 500 : 2000 (WB)
<b>Expected   apparent MW</b>	43 kDa
<b>Confirmed reactivity</b>	<i>Saccharomyces cerevisiae</i>
<b>Predicted reactivity</b>	Species of your interest not listed? <a href="#">Contact us</a>
<b>Selected references</b>	<a href="#">Muramoto</a> et al. (2018) Phenotypic diversification by enhanced genome restructuring after induction of multiple DNA double-strand breaks. Nat Commun. 2018 May 18;9(1):1995. doi: 10.1038/s41467-018-04256-y. PMID: 29777105; PMCID: PMC5959919. (IF application) <a href="#">Ribeyre</a> & Shore (2012). Anticheckpoint pathways at telomeres in yeast. Nat Struct Mol Biol. 2012 Feb 12;19(3):307-13. doi: 10.1038/nsmb.2225. PMID: 22343724. (ChIP application)



Crude extract of *Saccharomyces cerevisiae* was separated on a 12.5 % SDS-PAGE and blotted to a PVDF membrane using wet transfer, following blocking with 5 % non-fat milk for 1 h/RT. Primary antibody was incubated at 1: 1000 for 1h/RT, 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.



Samples: Recombinant Rad51 protein of *Saccharomyces cerevisiae*, analyzed by SDS-PAGE and visualized by Coomassie stain **(1)**, 10 ng of recombinant Rad51 protein of *Saccharomyces cerevisiae* **(2)**, crude extract of *Saccharomyces cerevisiae* strain BY4741 **(3)** were separated on a 12.5 % SDS-PAGE and blotted to a membrane using wet transfer. Primary antibody was incubated at 1: 1000, followed by washes and incubation with a secondary goat anti-rabbit IgG HRP conjugated antibodies, used at 1: 10 000 1h/RT. The reaction was developed using chemiluminescence following manufacture's recommendations.