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Product no AS21 4549

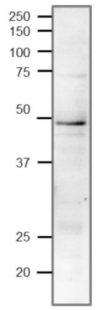
Anti-RAD51 | DNA repair protein RAD51 (Saccharomyces cerevisiae) (ChIP grade)

Product information

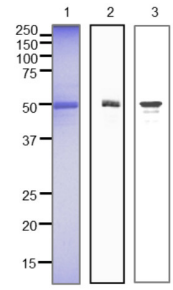
Immunogen	Purified, full length, recombinant and HIS tagged RAD51 protein from *Saccharomyces cerevisiae*, UniProt: P25454
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4. Contains 50 % glycerol, filter sterilized.
Format	Liquid
Quantity	100 µg
Storage	Store at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

Application information

Recommended dilution	1: 500 : 2000 (WB)
Expected | apparent MW	43 kDa
Confirmed reactivity	*Saccharomyces cerevisiae*
Predicted reactivity	*Galdieria sulphuraria* (red algae) Species of your interest not listed? Contact us
Selected references	Muramoto 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) Ribeyre & 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.



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Samples: Recombinant Rad51 protein of *Saccharomyces cerevisiae*, analyzed by SDS-PAGE and visualized by Coomasie stain **(1)**, 10 ng of recombinant Rad51 protein of *Saccharomyces cerevisiae* **(2), c**rude 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.