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The Srs2 helicase prevents recombination by disrupting Rad51 nucleoprotein filaments.

Veaute X, Jeusset J, Soustelle C, Kowalczykowski SC, Le Cam E, Fabre F

Nature 2003 May 15 **423**(6937):309-12 [[abstract on PubMed](#)]

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Faculty Member

Antony Carr

University of Sussex,
United Kingdom
CELL BIOLOGY

New Finding

Comments

The findings of this paper suggest a novel mechanism that negatively modulates recombination during yeast DNA repair.

Purified Srs2 helicase was shown to act on ssDNA to reverse the formation of Rad51 filaments. These data, together with those from Krejci et al. (*Nature* 2003, 423:305 [[PMID:12748644](#)]), provide mechanistic insight into srs2 mutant phenotypes.

Evaluated 18 Jun 2003 **NEW**

Faculty Comments

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