

Table S1 Antibodies used in this study

Antibody	Source	Company	Dilution
hREC8	Rabbit		1:1000
mREC8	Guinea pig		1:100
hSMC1B	Rabbit		1:200
mSMC1B	Guinea pig		1:5000
SMC1A ^a (AB-957)	Rabbit	SIGMA	1:100
SMC1 ^b (ab21583)	Rabbit	Abcam	1:1000
Rad21 ^c (53A303)	Mouse	Millipore	1:400
Rad21 ^d (ab42522)	Rabbit	Abcam	1:1000
SMC3 (A300-060A)	Rabbit	Bethyl Laboratories	1:500
c-Kit (M-14)	Goat	Santa Cruz Biotechnology	1:400
Alexa Fluor 488-conjugated anti-rabbit IgG	Donkey	Life Technologies	1:200-1000
Alexa Fluor 594-conjugated anti-rabbit IgG	Donkey	Life Technologies	1:200
Alexa Fluor 594-conjugated anti-goat IgG	Donkey	Life Technologies	1:1000
FITC-conjugated anti-guinea pig IgG	Donkey	Jackson ImmunoResearch	1:100
AMCA-conjugated anti-mouse IgG	Donkey	Jackson ImmunoResearch	1:100
Biotin-SP-conjugated anti-goat IgG	Donkey	Jackson ImmunoResearch	1:200

^aFor detection of hSMC1A.

^bFor detection of mSMC1A.

^cFor detection of hRAD21.

^dFor detection of mRAD21.