

Anti-Swi6 (*S. pombe*) antibody, rabbit serum

Product code	63-101
Size	50 µl
Storage	Store 4°C for short term For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	0.09% sodium azide
Purity	Rabbit antiserum
Immunogen	Recombinant full length protein corresponding to <i>S. pombe</i> Swi6 aa 1-328
Isotype	Rabbit IgG
Reactivity	Mouse. Not tested with other species.
Special notes	N/A
Application	1. Western blotting (x 2,000~10,000 dilution) (Figure) Background noise was reduced with diluted antibody 2. Immunoprecipitation 3. Immunoflorescent staining 4. Chromatin Immuno-Precipitation
Background	Swi6 protein of fission yeast is a functional and structural homolog of HP1 (Heterochromatin Protein 1) of animals and is involved in the formation of heterochromatin structure by binding to centromere, telomere and silent mating-type locus. It is also involved in silencing the genes and sister chromatid cohesion by binding to histone H3 methylated at Lys9 and the cohesin subunit Psc3.
Data Link	UniProtKB P40381 (SWI6_SCHPO)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 63-101 Anti-Swi6 (*S. pombe*) antibody, rabbit serum

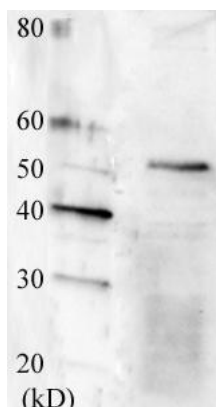


Fig.1 Detection of endogenous Swi6 protein by Western blotting

Sample: Crude extract of *S. pombe* at log phase

The Swi6 protein migrates slower than the calculated molecular mass of 37 kDa.

The antibody was used at 1/2,000 dilution.

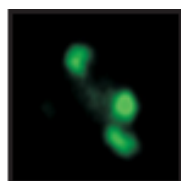


Fig.2 Immunofluorescent staining of Swi6 protein of *S. pombe* cells.

Cells at log phase were fixed with 3 % paraformaldehyde and permeabilized with Zymolyase before treatment with the antibody.

References: This antibody has been used in the following publications.

1. Carlsten JO et al. Mediator promotes CENP-a incorporation at fission yeast centromeres. [Mol Cell Biol.](#) 2012 Oct;32(19):4035-43. PMID: [22851695](#) ChIP (*S.pombe*)
2. Sato H et al. Epigenetic inactivation and subsequent heterochromatinization of a centromere stabilize dicentric chromosomes. [Curr Biol.](#) 2012 Apr 24;22(8):658-67. PMID: [22464190](#).ChIP (*S.pombe*)