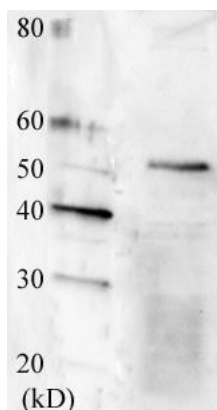


## Anti-Swi6 (*S. pombe*) antibody, rabbit serum

<b>Product code</b>	63-101
<b>Size</b>	50 µl
<b>Storage</b>	Store 4°C for short term For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Concentration</b>	N/A
<b>Buffer</b>	0.09% sodium azide
<b>Purity</b>	Rabbit antiserum
<b>Immunogen</b>	Recombinant full length protein corresponding to <i>S. pombe</i> Swi6 aa 1-328
<b>Isotype</b>	Rabbit IgG
<b>Reactivity</b>	Mouse. Not tested with other species.
<b>Special notes</b>	N/A
<b>Application</b>	<ol style="list-style-type: none"> <li>1. Western blotting (x 2,000~10,000 dilution) (Figure) Background noise was reduced with diluted antibody</li> <li>2. Immunoprecipitation</li> <li>3. Immunoflorescent staining</li> <li>4. Chromatin Immuno-Precipitation</li> </ol>
<b>Background</b>	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.
<b>Data Link</b>	UniProtKB <a href="#">P40381</a> (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

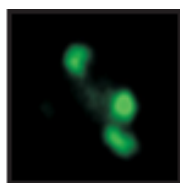


**Fig.1 Detection of endogenous Swi6 protein by Western blotting**

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*)