

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

Catalog # 63-101     50  $\mu$ l

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 (1).

This antiserum was produced by immunizing full-size Swi6 recombinant protein from *E. coli*. Although genome data indicate the swi6 gene encodes a protein of 37 kD, western blot analysis of crude extract of *S. pombe* detects a protein with an apparent molecular size of 53 kD (2, 3; Figure).

### Applications

1. Western blot 1:2,000~10,000 dilution (Figure) Background noise was reduced with diluted antibody
2. Immunoprecipitation
3. Chromatin Immunoprecipitation

### Specifications

Form: Undiluted antiserum with 0.09% sodium azide

Reactivity: Swi6 protein of *S. pombe*

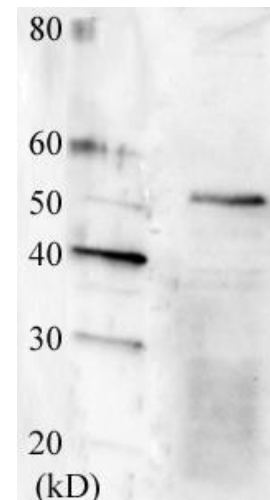
Storage: Ship 4°C. Upon arrival briefly centrifuge, aliquot and store at -20°C

### Data Link

UniProtKB/Swiss-Prot P40381 (SWI6\_SCHPO)

### References

1. Yao MC et al. Science 300:1581 (2003)
2. Ekwall K et al. Science 269:1429 (1995)
3. Wang G et al. Mol Cell Biol, 20:6970 (2000)



Detection of Swi6 proteins by Western Blot using this antibody.