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

63-101　　50 μl　　63--102　　250 μl

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 (Ref. 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 (Figure and Ref. 2 & 3)

Application : For the studies of RNAi mechanism

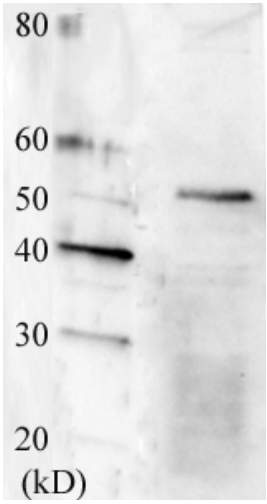
1. Western blotting (x 2,000~10,000 dilution) (Figure) Backgroud noise was reduced with diluted antibody
2. Immunoprecipitation

Specifications

State: Undiluted antiserum added with 0.09% sodium azide

Reactivity: Swi6 protein of S. pombe

Storage : 4℃



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)

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