

Product datasheet for **AP09279PU-N**

swi6 (314-328) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/5,000 - 1/30,000. Western Blot: 1/500 - 1/3,000.
Reactivity:	Yeast
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding aa 314-328 of S.pombe Swi6 protein
Specificity:	This antibody reacts to Swi6.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P40381



[View online »](#)

Background:

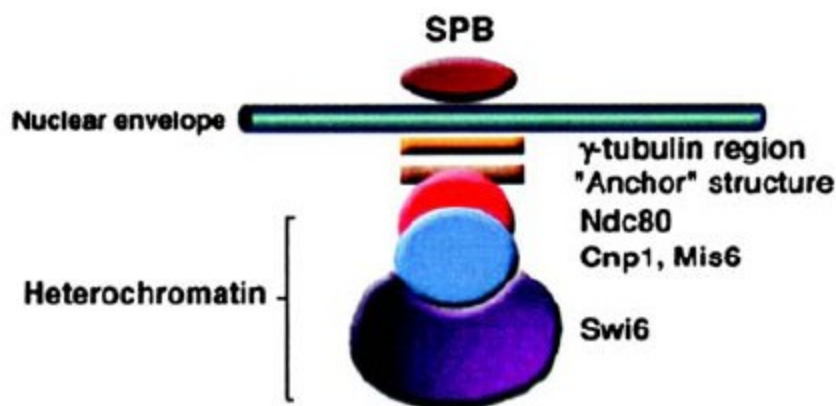
Swi6 is also known as chromatin-associated swi6 protein and repression of silent mating type loci protein. This protein recognizes and binds to histone H3 tails that are methylated at Lys-9, leading to epigenetic repression. Swi6 is also involved in the repression of the silent mating-type loci MAT2 and MAT3 and it may be responsible for the compaction of MAT2/3 into a heterochromatin-like conformation which represses the transcription of these silent cassettes. Swi6 also interacts with the cohesin subunit psc3. Swi6 has a nuclear localization and contains 2 chromo domains.

Synonyms:

Chromatin-associated protein swi6

Product images:


Western blot analysis is shown using Affinity Purified anti-Swi6 antibody to detect endogenous protein present in *S. pombe* lysate (arrowhead). Comparison to a molecular weight marker (not shown) indicates a band of ~43 kDa corresponding to *S. pombe* Swi6 protein. ~35 µg of lysate was loaded per lane onto a 4-20% gradient gel for SDS-PAGE followed by transfer to 0.45 µm nitrocellulose. The blot was incubated with a 1:1,700 dilution of the antibody at room temperature for 2 h followed by detection using IRDye (TM)800 labeled Goat-a-Rabbit IgG [H&L] diluted 1:5,000 for 45 min. IRDye (TM)800 fluorescence image was captured using the Odyssey (R) Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



Schematic model of *S. pombe* centromere cluster in interphase cells. The distribution of Ndc80, Cnp1, and Swi6 proteins are indicated in relation to the observed centromeric anchor and heterochromatin structures. See Kniola et al for additional details.