Anti-Taf14 (*S. cerevisiae*) antibody, rabbit serum

Product code	62-025
Size	100 µl
Storage	Store at 4℃ for short term. For long term storage store at -20℃. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	0.1% sodium azide
Purity	Rabbit antiserum
Immunogen	Recombinant His-tagged Taf14 protein (full-length; 1-244 aa) produced in *E. coli*
Isotype	Rabbit IgG
Reactivity	*S. cerevisiae* Taf14 protein Not tested with other species.
Special notes	N/A
Application	1. Western blotting (1/500-1-2000) Not tested for other applications
Background	Taf14 functions as a component of the DNA-binding general transcription factor complex TFIID, the RNA polymerase II associated general transcription factor complex TFIIF, and the chromatin-remodeling complex SWI/SNF. Binding of TFIID to a promoter (with or without TATA element) is the initial step in preinitiation complex (PIC) formation. TFIID plays a key role in the regulation of gene expression by RNA polymerase II through different activities such as transcription activator interaction, core promoter recognition and selectivity, TFIIA and TFIIB interaction, chromatin modification (histone acetylation by TAF1), facilitation of DNA opening and initiation of transcription. TFIIF is essential for the initiation of transcription by RNA polymerase II. TFIIF functions include the recruitment of RNA polymerase II to the promoter bound DNA-TBP-TFIIB complex, decreasing the affinity of RNA polymerase II for non-specific DNA, allowing for the subsequent recruitment of TFIIE and TFIIH, and facilitating RNA polymerase II elongation. The TAF14 subunit has stimulatory activity. Component of the SWI/SNF complex, an ATP-dependent chromatin-remodeling complex, is required for the positive and negative regulation of gene expression of a large number of genes. It changes chromatin structure by altering DNA-histone contacts within a nucleosome, leading eventually to a change in nucleosome position, thus facilitating or repressing binding of gene-specific transcription factors. Component of the histone acetyltransferase NuA3 complex, that acetylates Lys-14 of histone H3. Recruitment of NuA3 to nucleosomes requires methylated histone H3. In conjunction with the FACT complex, NuA3 may be involved in transcriptional regulation. Taf14 consists of 244 amino acids with molecular mass of 27,440 Da
Data Link	SGDS000006050 TAF14 / YPL129W UniProt P35189 (TAF14_YEAST)

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Data Images: 62-025 Anti-Taf14(*S. cerevisiae*) antibody, rabbit serum

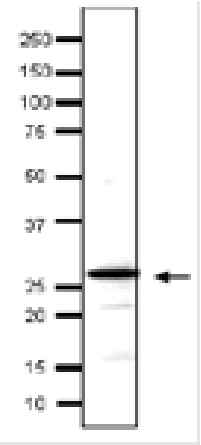

Fig.1 Detection of endonenous Taf14 in whole cell extract of S. cerevisiae by Western blotting, using the anti-Taf14 antibody.

The antibody was used at 1/500 dilution.

As second antibody, HRP-conjugated goat anti-rabbit IgG was used at 1/10,000 dilution.

Reference: There is no publication using this antibody.

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