Anti-Taf4 (*S. cerevisiae*) antibody, rabbit serum

Product code	62-011
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 N-terminal domain of Taf4p protein (1-200aa)
Isotype	Rabbit IgG
Reactivity	*S. cerevisiae* Taf4 protein
Special notes	N/A
Application	1. Western blotting (1/1,000~1/5,000 dilution)
Background	The basal transcription factor TFIID plays a central role in the regulation of gene expression in Eukaryota and is a large protein complex composed of TATA box-binding protein (TBP) and 14 kinds of TBP-associated factors (TAF). TFIID directly recognizes and binds to different kinds of core promoter elements that localize near the transcription initiation site and forms a scaffold for the other basal transcription factors to assemble. At the same time, it transmits transcriptional activation signal originating from transcription regulating factors to RNA polymerase II. Taf4p is one of the subunits of TFIID and in the case of budding yeast, it is composed of 388 amino acid residues (aa). This protein contains histone folds in its interior and forms TAF octamer with Taf6p, Taf9p and Taf12p.
Data Link	SGD TAF4 / YMR005W Overview

Data Images: 62-011 Anti-Taf4 (*S. cerevisiae*) antibody, rabbit serum

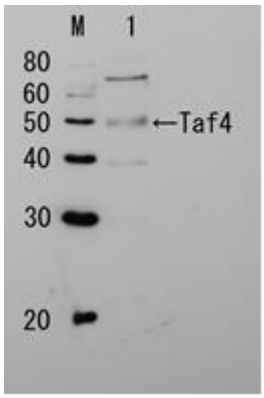

Fig.1 Detection of Taf4p by Western blotting

Lane 1: Extract of budding yeast

The antiserum was diluted 5,000 fold before use.

The molecular mass of Taf4 is 48 kDa.

References: This antibody was described and used in the following publication.

1. Takahata S *et al* "Autonomous function of the amino-terminal inhibitory domain of TAF1 in transcriptional regulation" *Mol Cell Biol* **24**: 3089-3099 (2004) PMID: 15060133 **WB**