

Anti-Taf4p antibody

Immuned Animal: Rabbit

Polyclonal antiserum

62-011 50 µl, 62-012 250 µl

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.

The product is prepared by immunizing rabbit with recombinant protein which was over-expressed in *E. coli* with a plasmid carrying the N-terminal domain of Taf4p protein (1-200aa) of budding yeast, and purified by chromatography.

Using this antiserum in Western blotting, the band of 48 kD corresponding to Taf4p was obtained from the extract of yeast cells (Fig. 1).

Specifications

Form: 0.1% sodium azide added to the antiserum.

Storage: 4°C

Applications

- 1) It can be used in Western blotting or ELISA for the detection and titration of budding yeast Taf4p.

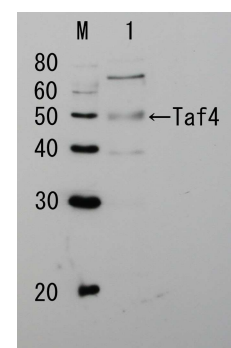


Fig. 1 Detection of Taf4p by Western blotting using the Taf4p antibody.

Lane 1, Extract of budding yeast.

The antiserum was diluted 5000 fold before use.

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