



POLYCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. 62-009

Anti-Sua7p/TFIIB (yeast)

BACKGROUND

The fundamental transcription factor TFIIB has the characteristics of stabilizing the DNA binding of TATA box-binding protein (TBP) and binding directly to DNA by its conformational change. Also its N terminal region binds to the RNA channel of RNA polymerase undertaking a very important role in the determination of transcription initiation point and promoter clearance. Sua7p is the TFIIB of budding yeast and is composed of 346 amino acid residues (aa).

The product was prepared by immunizing rabbit with recombinant protein which was over-expressed in *E. coli* with a plasmid carrying the entire Sua7p protein (1-346aa) of budding yeast, and purified by chromatography.

Using the product as antiserum in Western blotting, the band of 41 kD pertaining to Sua7p was obtained from the extract of yeast cells (Fig. 1).

Product type	Primary antibodies
Host	Rabbit
Source	Serum
Form	Liquid
	0.1% sodium azide added to the antiserum
Volume	50 µl
Concentration	
Specificity	
Antigen	Recombinant protein which was over-expressed in <i>E. coli</i> with a plasmid carrying the entire Sua7p protein (1-346aa) of budding yeast
Isotype	

Application notes WB, ELISA

Recommended use

It can be used in Western blotting or ELISA for detection and titration of budding yeast Sua7p.

Recommended dilutions

Optimal dilutions/concentrations should be determined by the end user.

Data Link: SGD [SUA7/YPR086W](#)

Staining Pattern

Cross reactivity

Storage 4°C

References

- 1) Pinto I *et al* "The yeast SUA7 gene encodes a homolog of human transcription factor TFIIB and is required for normal start site selection in vivo" *Cell* **68**: 977-988 (1992) PMID: [1547497](#)
- 2) Kornberg RD "Mechanism and regulation of yeast RNA polymerase II transcription" *Cold Spring Harb Symp Quant Biol* **63**: 229-232 (1998) PMID: [10384286](#)

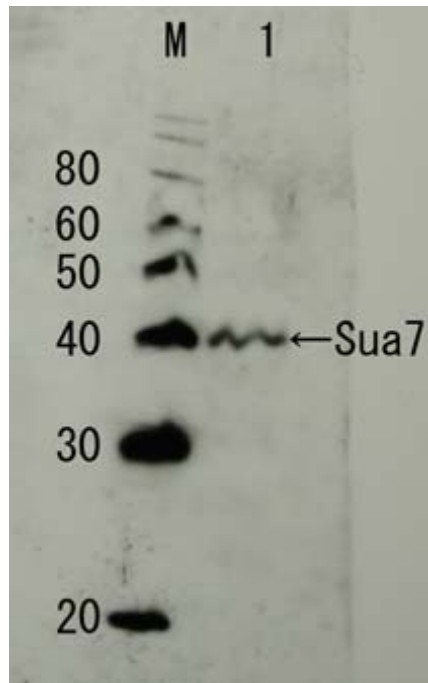


Fig.1 Detection of Sua7p by Western blotting using the anti-Sua7p antibody.
Lane1, Extract of budding yeast
The antiserum was diluted 5000 fold before use.

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