



POLYCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. BAM-62-010

Anti-Sua7p

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 is 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 | 250 µl |
| Concentration | |
| Specificity | Sua7p protein |
| Antigen | Recombinant entire Sua7p protein (1-346aa), <i>Yeast</i> |
| Isotype | |

Application notes WB, ELISA

Recommended use

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

Recommended dilutions

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

Staining Pattern

Cross reactivity *Yeast*

Storage 4°C

References

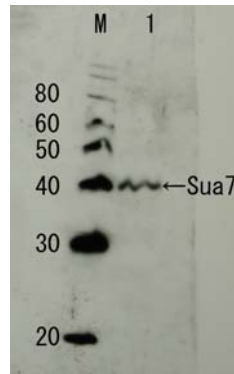


Fig. 1 Detection of Sua7p by Western blotting using the Sua7p antibody.
Lane 1, Extract of budding yeast.
The antiserum was diluted 5000 fold before use.

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Inspiration for Life Science

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抗 Sua7p

BACKGROUND

基本転写因子 TFIIB は、TATA ボックス結合タンパク質 (TBP) の DNA 結合を安定化するとともに、それ自身が構造変化を起こすことにより、直接 DNA に結合する性質を持つ。また N 末端領域は RNA ポリメラーゼ II の RNA チャネルに結合し、転写開始点の決定とプロモータークリアランスにおいて重要な役割を果たす。Sua7p は出芽酵母の TFIIB であり、346 個のアミノ酸残基 (aa) から構成される。

本品は、出芽酵母 SUA7 遺伝子にコードされる Sua7p タンパク質の全長 (1-346aa) をプラスミドにクローニングし、大腸菌で多量に発現させ、クロマトグラフ法により精製したリコンビナントタンパク質をウサギに免疫して作製した。

本品を抗血清として用いたウエスタンブロットにおいて、出芽細胞抽出液中に Sua7p の約 41 kD のバンドが検出された (図1)。

| | |
|----------------------|---|
| Product type | 一次抗体 |
| Host | ウサギ |
| Source | 血清 |
| Form | 液状 0.1% アジ化ナトリウム添加抗血清 |
| Volume | 250 µl |
| Concentration | |
| Specificity | Sua7p |
| Antigen | リコンビナント Sua7p タンパク質の全長 (1-346aa) , 出芽酵母 |
| Isotype | |

Application notes WB, ELISA

Recommended use

出芽酵母 Sua7p の検出や定量を目的としたウエスタンブロット法や ELISA 法に使用できる。

Recommended dilutions

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

Staining Pattern

Cross reactivity 出芽酵母

Storage 4°C

References

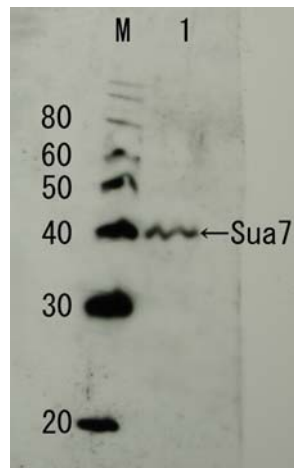


図1 抗 Sua7p 抗体を用いたウエスタンブロット法による Sua7p 抗原の検出
レーン1、出芽酵母細胞抽出液
抗血清は、5,000 倍希釈して使用

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