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Inspiration for Life Science

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Catalog No. 62-007

Anti-Srb4p antibody, rabbit polyclonal

Mediator is a protein complex which performs a very important role both in the transcription at the basal level which does not rely on transcription control factor, and the transcription activating reaction that relies on the transcription control factor. It has the characteristic of binding to the 7 amino acid repeated structure (CTD) that exists in the C terminal of the biggest subunit of RNA polymerase II. 30 kinds of subunits have already being identified as its composing substance, but it is said that multiple kinds of complex with various subunit compositions exist in the cells. **Srb4p** is one of the mediator subunits and is composed of 687 amino acid residues with molecular mass of 78,5 kDa.

This product was prepared by immunizing rabbit with recombinant protein which was over-expressed in *E. coli* with a plasmid carrying the entire gene for yeast **Srb4p** protein (1-687aa) and purified by chromatography.

Applications

1. Western blotting (1/1,000~1/5,000 dilution)
2. Immunoprecipitation (assay dependent)
3. Chromatin Immunoprecipitation (assay dependent)
4. ELISA (assay depedent)

Form: Whole antiserum added with 0.1% sodium azide.

Size: 50 ul

Storage: Shipped at 4℃ or -20℃, and upon arrival, aliquot and store at -20℃ or below.

Data Link SGD SRB4/YER022W S. cerevisiae Srb4 protein

SwissProt: P32569 Saccharomyces cerevisiae

Entrez Gene: 856743 Saccharomyces cerevisiae

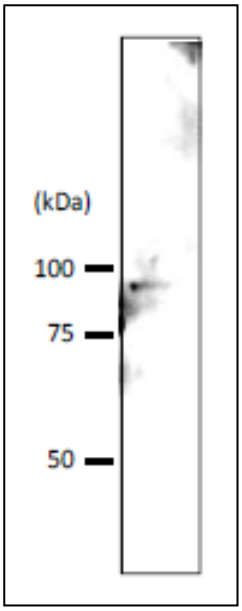

Fig.1. Detection of Srb4p in crude extract of S. cerevisiae strain BY4741 (10 µg) by Western blotting using the Srb4p antibody.
IMMUNO SHOT (CosmoBio, Tokyo) was used as signal enhancer..
The antiserum was used at 1/ 1,000 dilution.

References

1. Thompson CM *et al* "A multisubunit complex associated with the RNA polymerase II CTD and TATA-binding protein in yeast" *Cell* **73**: 1361-1375 (1993) PMID: 8324825

2. Kornberg RD "Mediator and the mechanism of transcriptional activation"*Trends Biochem Sci* **30**: 235-239 (2005) PMID: 15896740