



Anti-RPC19 (*S. cerevisiae*) antibody, rabbit polyclonal

62-035 100 ul

Background: DNA-dependent RNA polymerases catalyze the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common core component of RNA polymerases I and III which synthesize ribosomal RNA precursors and small RNAs, such as 5S rRNA and tRNAs, respectively.

From the sequence data, RPC19 consists of 142 amino acids with molecular mass of 16,151 Da.

Applications

- 1) Western blotting (1/1,000) dilution)
- 2) ELISA

Immunogen: Recombinant GST-RPC19 fusion protein

Reactivity: *S. cerevisiae* RPC protein. Not tested in other species.

Form: Whole antiserum added with 0.09 % sodium azide

Shipping and Storage: Shipped at 4 °C and upon arrival centrifuge briefly, aliquot and store at -20 °C

Data Link: UniProt [P28000](#) DNA-directed RNA polymerases I and III subunit RPAC2

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

Todaka Y. et al. Association of the GTP-Binding Protein Gtr1p with Rpc19p, a Shared Subunit of RNA Polymerase I and III in Yeast *Saccharomyces cerevisiae*. Genetics. (2005) 170: 1515–1524.

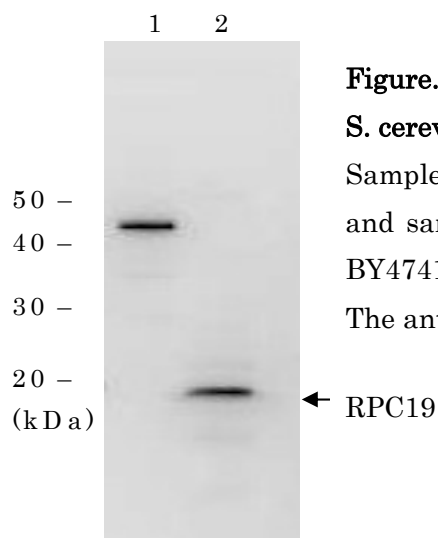


Figure. Identification of RPC19 protein in crude extract of *S. cerevisiae* by western blotting with anti-scRPC antibody.

Sample in lane 1 is recombinant GST-RPC19 protein (10 ng) and sample in lane 2 is crude extract of *S. cerevisiae* strain BY4741 (50 µg).

The antibody was used at 1/1,000 dilution.

